



**BASIC MANUFACTURER OF SPECIALTY AUTOMOTIVE TOOLS AND MECHANIC'S CREEPERS**



**THE INNOVATOR IN SPECIALTY AUTOMOTIVE TOOLS**



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## NATIONAL STOCK NUMBERS

| NSN              | Lisle Part No. | Page No. |
|------------------|----------------|----------|
| 3419-00-769-1590 | 10000          | 1        |
| 6140-00-831-3449 | 11300          | 37       |
| 4910-00-554-9245 | 15000          | 14       |
| 4910-00-348-2581 | 15500          | 14       |
| 4910-00-348-2585 | 15510          | 14       |
| 5120-00-878-8541 | 18000          | 17       |
| 5120-00-322-6223 | 18500          | 12       |
| 5120-00-250-6055 | 19500          | 12       |
| 5120-00-223-8848 | 20500          | 12       |
| 5120-00-116-7676 | 21000          | 12       |
| 5120-00-808-6324 | 22000          | 26       |
| 5120-01-072-2956 | 29200          | 33       |
| 5110-00-228-7009 | 36500          | 13       |
| 5110-00-965-0878 | 50000          | 47       |
| 5120-00-228-6287 | 53500          | 24       |
| 5120-00-944-4268 | 54000          | 36       |
| 5120-00-419-5693 | 65750          | 35       |
| 4910-01-100-7222 | 97492          | 53       |
| 4910-00-251-6981 | 97502          | 53       |
| 4940-00-357-7207 | 98302          | 54       |
| 4910-01-097-1012 | 98702          | 54       |



## 10000 10500 BRAKE CYLINDER HONES

10000 3-Stone Hone Fits Cylinders 27/32" to 2" (21.4 - 50.8mm). 10500 2-Stone Hone Fits Cylinders 11/16" to 2 1/2" (17.4 - 63.5mm).

Controlled pressure makes it possible to polish or hone with just one stone grit. Square ends of stones hone to the end in step-cut and blind-end cylinders. 240 grit stones are 1 1/8" long. Flexible driver.

**10000 Three-Stone Utility Model Brake Cylinder Hone.** Range 27/32" to 2".

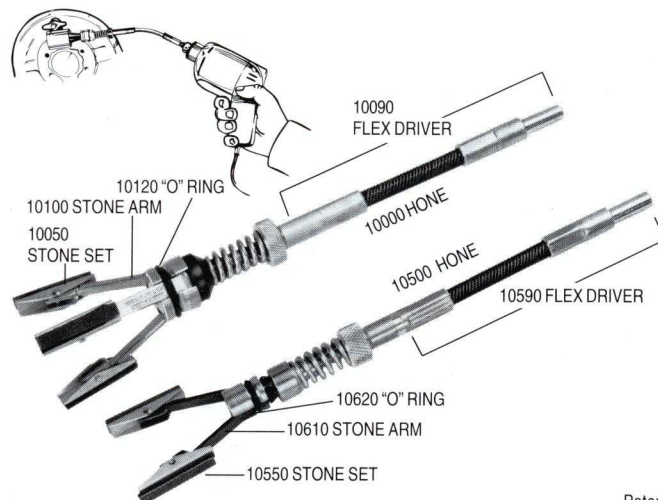
Skin-packed. Shipping wt. 3 oz. NSN 3419-00-769-1590

**10050 Set Replacement Stones for 10000.** Skin-packed. Shipping wt. 1 oz.

**10500 Two-Stone Brake Cylinder Hone.** Range 11/16" to 2 1/2".

Skin-packed. Shipping wt. 3 oz.

**10550 Set Replacement Stones for 10500.** Skin-packed. Shipping wt. 1 oz.



Patent 2,736,146

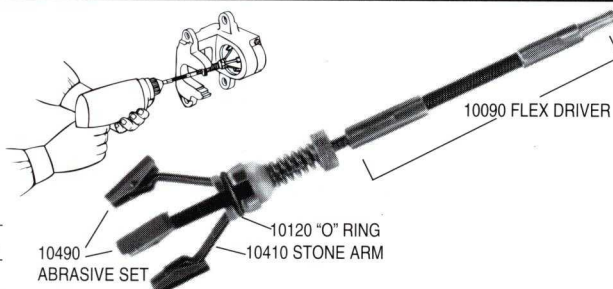
## 10400 DISC BRAKE HONE

For 1 1/2" to 3 1/8" Disc Brake Cylinders (38.1 to 79.3mm).

Special abrasive pads polish the cylinder without cutting. Controlled pressure, three abrasives and flexible driver give good stability and speed. Stones are 1" long.

**10400 Disc Brake Hone.** Range 1 1/2" to 3 1/8". Skin-packed. Shipping wt. 3 oz.

**10490 Set of Replacement Stones for 10400.** Skin-packed. Shipping wt. 1 oz.



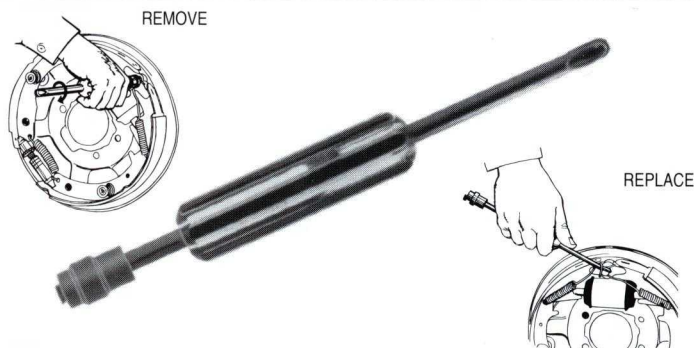
Patent 2,736,146

## 46750 BRAKE SPRING TOOL

Makes it Easy to Remove and Replace Springs.

A special tool for removing and replacing brake return springs that are set over a post. Heat-treated end fitting engages the hook and removes it from the post when the tool is turned clockwise. "Shoe horn" design on the other end makes it easy to slip the spring back over the post. Large handle gives good grip for easy operation.

**46750 Brake Spring Tool.** Skin-packed. Shipping wt. 6 oz.



## 45100 BRAKE SPRING TOOL

Designed for Import Car Brake Return Springs.

This tool removes and installs import brake return springs. Also works on domestic brakes that don't use an anchor pin. Engage brake spring in tool head. Turn handle to lock on spring. Expand spring to install or remove.

**45100 Brake Spring Tool.** Skin-packed. Shipping wt. 4 oz.

**45140 Tip.** Mini pouched.



Patent 5,455,996

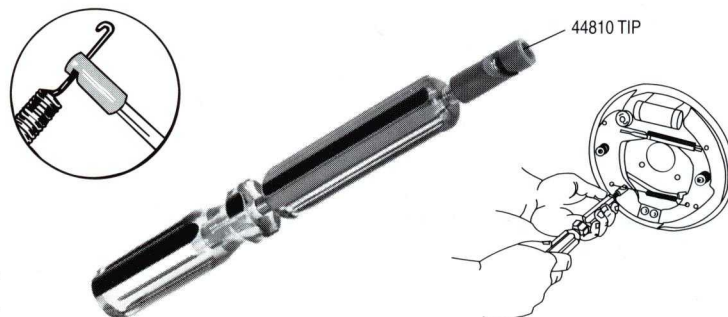
## 44800 HEAVY DUTY BRAKE SPRING TOOL

Designed for Larger Brake Springs.

The heavy duty tool removes and installs larger brake return springs. Works on brakes with or without an anchor pin. Engage brake spring in tool head. Turn rear handle to lock on spring. Expand spring to install or remove. Front handle can be removed when working in tight places.

**44800 Heavy Duty Brake Spring Tool.** Skin-packed. Shipping wt. 8 oz.

**44810 Tip.** Mini pouched.



Patent 5,455,996



**11260 BRAKE SPRING PLIERS**

Double ended tool for removing and installing brake springs.

Use plier tips to stretch brake spring. Handle ends remove and install spring over anchor post.

11260 Brake Spring Pliers. Skin-packed. Shipping wt. 1 lb. 2 oz.

45140 Tip. Mini Pouched.

**47400 BRAKE SPRING WASHER TOOL**

Fits Both Large and Small Washers.

Troublesome brake shoe retaining spring washers can now be easily removed and then reinstalled. Wide "window" allows better visibility to align the nail and washer slot.

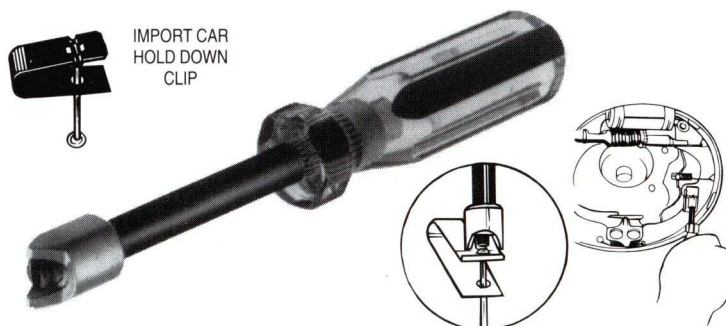
47400 Brake Spring Washer Tool. Skin-packed. Shipping wt. 4 oz.

**48400 IMPORT CAR BRAKE CLIP TOOL**

Designed for Import Cars with Brake Shoe Hold-down Clips.

Removes and installs the brake clip and nail on brake shoes in seconds. Set tool head in the brake clip groove. Push tool to depress brake clip. Turn handle 1/4 turn to disengage clip from nail. Reverse to install.

48400 Import Car Brake Clip Tool. Skin-packed. Shipping wt. 4 oz.



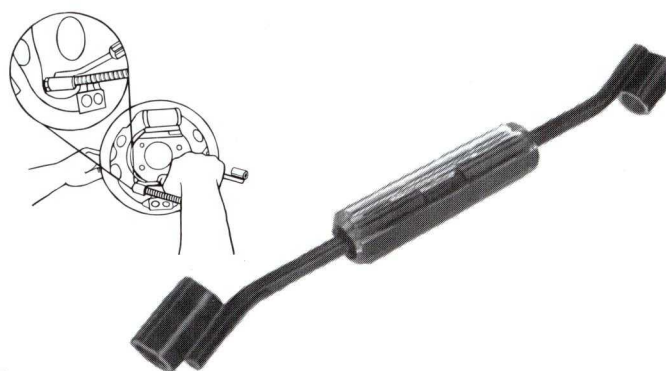
Patent 5,253,406

**40800 PARKING BRAKE CABLE REMOVER**

Makes Parking Brake Cable Removal Easy.

Double ended tool will quickly remove parking brake cables from the brake backing plate and the chassis mounting bracket. Cylindrical tool ends compress the prongs on the spring fastener for easy disassembly. Tool can be used with one hand so other hand can pull the cable. Use the smaller end for Ford Escort, Topaz and Tempo. Use the larger end for other vehicles.

40800 Parking Brake Cable Remover. Skin-packed. Shipping wt. 9 oz.



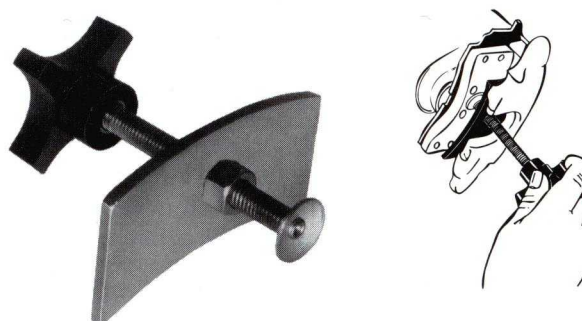
Patent Pending

**24400 DISC BRAKE PAD SPREADER**

For Installing Pads on Most Domestic and Import Cars and Light Trucks.

Makes changing pads an easy job. Tool compresses disc brake piston for easy pad installation.

24400 Disc Brake Pad Spreader. Skin-packed. Shipping wt. 10 oz.





## 29150 UNIVERSAL BRAKE CALIPER BIT SET

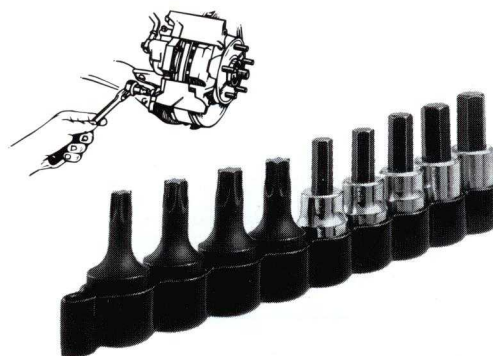
### Nine Sizes for Brake Caliper Bolt Applications.

Set includes four Torx® and five hex bits for removal and installation of brake caliper mounting bolts. Includes the following sizes: T-40, T-45, T-47, T-50, 1/4", 3/8", 7mm, 8mm and 10mm. All bits are 3/8" square drive. Handy sleeve keeps bits together in one place.

**29150 Universal Brake Caliper Bit Set.** Skin-packed. Shipping wt. 14 oz.

Set includes the following:

| Lisle # | Bit Size |
|---------|----------|
| 13650   | 1/4"     |
| 13670   | 3/8"     |
| 26620   | T-40     |
| 26630   | T-45     |
| 26500   | T-47     |
| 26640   | T-50     |
| 33900   | 7mm      |
| 33910   | 8mm      |
| 33920   | 10mm     |



## 12550 BRAKE CALIPER BIT SET

### For Servicing Disc Brakes.

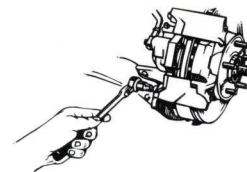
Three 3/8" square drive sockets with hex bits; to remove and replace floating caliper mounting bolts. 3/8" and 8mm hex bits for GM and 1/4" hex bit for Ford.

**12550 Brake Caliper Socket Set.** Skin-packed. Shipping wt. 6 oz.

**12450 1/4" Brake Caliper Socket.** Skin-packed. Shipping wt. 2 oz.

**12560 8mm Brake Caliper Socket.** Skin-packed. Shipping wt. 2 oz.

**12570 3/8" Brake Caliper Socket.** Skin-packed. Shipping wt. 2 oz.



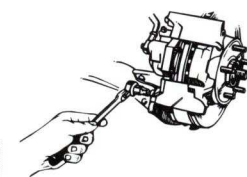
## 33900 33920 7MM, 10MM HEX BRAKE CALIPER BITS

### For Removing and Installing Disc Brake Calipers.

Hex bits remove and install floating caliper mounting bolts. 7mm hex is used for some AMC, Audi, Ford, Jeep, Lincoln and Volkswagen applications. 10mm hex is used for some Chevrolet and GMC van and truck applications. Use with 3/8" drive.

**33900 7mm Hex Brake Caliper Bit.** Skin-packed. Shipping wt. 1 oz.

**33920 10mm Hex Brake Caliper Bit.** Skin-packed. Shipping wt. 1 oz.



## 27740 BRAKE CALIPER TORX® BIT SET

### T-40, T-45, T-50 Sizes for Servicing Disc Brakes.

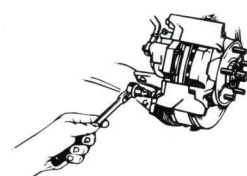
Three 3/8" square drive Torx® bits to fit GM and Ford brake caliper Torx® bolts.

**27740 Brake Caliper Torx® Bit Set.** Skin-packed. Shipping wt. 5 oz.

**26620 T-40 Torx® Bit.** Skin-packed. Shipping wt. 2 oz.

**26630 T-45 Torx® Bit.** Skin-packed. Shipping wt. 2 oz.

**26640 T-50 Torx® Bit.** Skin-packed. Shipping wt. 2 oz.

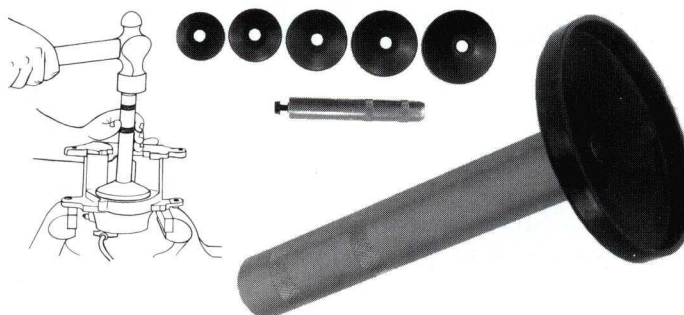


## 24500 DISC BRAKE DUST BOOT INSTALLER

### Five Driver Sizes for All GM, Chrysler and Some Imports with Drive-In Boots.

Drives boot evenly to seal out water. Prevents bending of boot ring and helps prevent damage to the boot.

**24500 Disc Brake Boot Installer.** Skin-packed. Shipping wt. 1 lb. 10 oz.



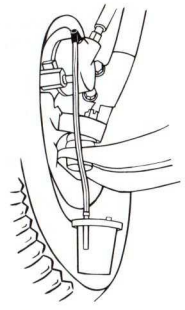
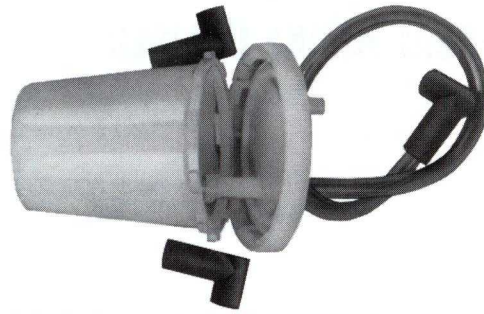


**19200 BRAKE BLEEDING KIT****Simple to Use.**

Everything needed to quickly bleed brakes with no mess. Plastic bottle collects discharged fluid. Three separate adapters fit the common bleeder screws.

**19200 One-Man Brake Bleeder.** Skin-packed. Shipping wt. 3 oz.

See price sheet for available replacement parts.

**10900 10950 BRAKE BLEEDER WRENCHES****For Bleeding Air From Brake Cylinders With Bleeder Screws.**

Double ended tools are offset for easy access.

10900 for 5/16" or 3/8" bleeder screws.

10950 for 1/4" or 3/8" bleeder screws.

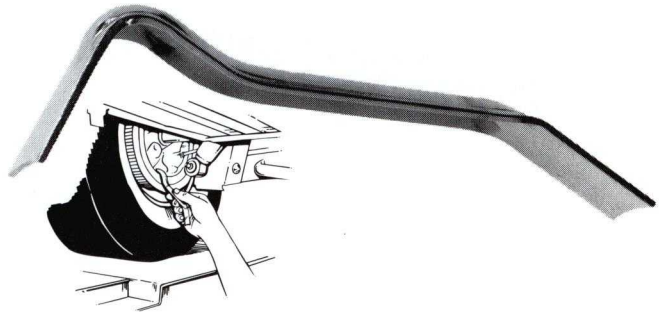
**10900 5/16" - 3/8" Brake Bleeder Wrench.** Skin-packed. Shipping wt. 4 oz.

**10950 1/4" - 3/8" Brake Bleeder Wrench.** Skin-packed. Shipping wt. 4 oz.

**50700 BRAKE ADJUSTMENT TOOL****Speeds Star Wheel Adjusting.**

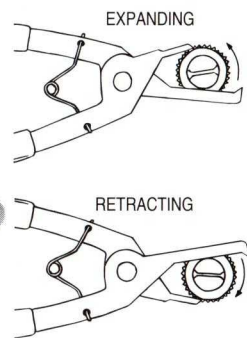
Insert tool through slot in backing plate. Different angle at each end adapts to various makes and models.

**50700 Brake Adjustment Tool.** Skin-packed. Shipping wt. 3 oz.

**48250 BRAKE STAR WHEEL ADJUSTER****Quickly Adjusts the Star Wheel on Drum Brakes.**

This tool is used when replacing brake shoes. It quickly turns the star wheel to expand or retract the brake shoes while the drum is off. Works much faster than spoon type tools. Simply reverse tool position on the star wheel to change direction of movement.

**48250 Brake Star Wheel Adjuster.** Skin-packed. Shipping wt. 5 oz.



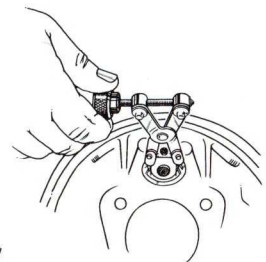
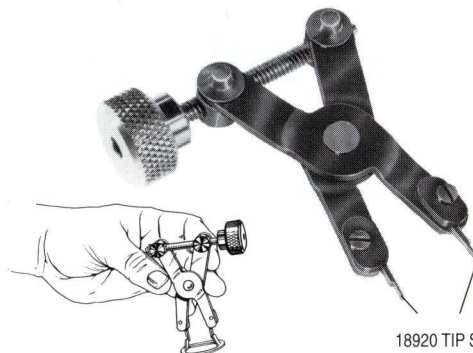
Patent Pending

**18800 BRAKE CYLINDER RETAINER REMOVER****For GM X and J Body Cars.**

Expands and holds this special retainer so the brake cylinder may be removed. Insert the tool tips into the retainer ring and expand by turning the knob.

**18800 Brake Cylinder Retainer Remover.** Skin-packed. Shipping wt. 4 oz.

**18920 Tip Set.** Mini Pouched.



18920 TIP SET

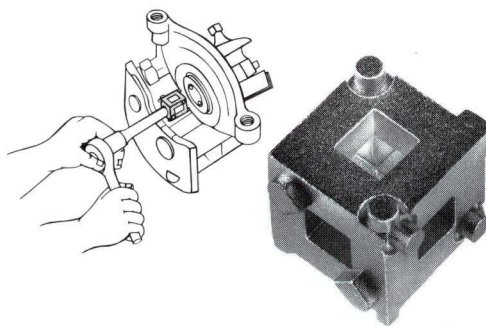


## 28300 REAR DISC BRAKE PISTON TOOL

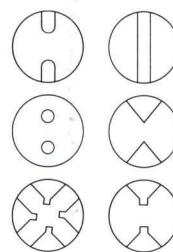
**Rotates Piston in the Caliper When Replacing Pads.**

Tool fits six different piston cavity configurations. Made specifically for vehicles with four wheel disc brakes. Works on most domestic and some import applications. Use with 3/8" drive ratchet and extension.

28300 Rear Disc Brake Piston Tool. Skin-packed. Shipping wt. 3 oz.



6 DIFFERENT PISTON CONFIGURATIONS



## 25000 REAR DISC BRAKE CALIPER TOOL

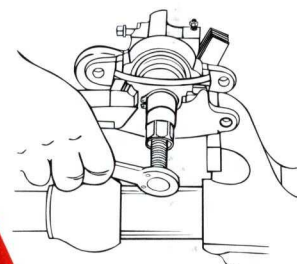
**For Rotating Pistons Back into the Caliper to Provide Clearance for New Pads.**

Includes 5 adapters (available individually) for use in both 2 and 4-wheel rear disc brake assemblies of most domestic and import cars. Tool may be used "on" or "off" the car. A real time saver that makes this tough job easy. Helps prevent damage to the piston and boot.

25000 Rear Disc Brake Caliper Tool. In case. Shipping wt. 4 lb. 8 oz.

25470 Pusher Screw Assembly. Skin-packed. Shipping wt. 1lb. 7 oz.

Adapters available individually on skin-packed card.



Patent 5,003,681

## 25080 - 25170 REAR DISC BRAKE CALIPER TOOL ADAPTERS

Adapters are individually skin-packed for do-it-yourselfers. Use with a ratchet and 3/8" drive extension. Press downward and turn to compress piston.

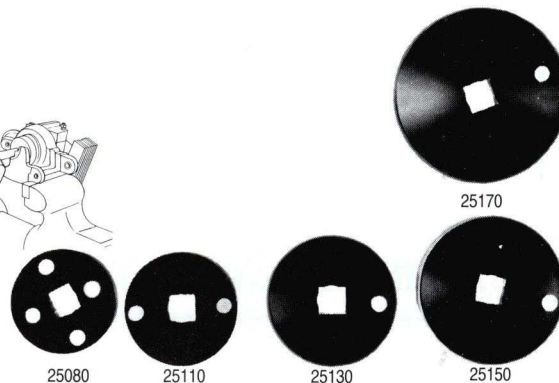
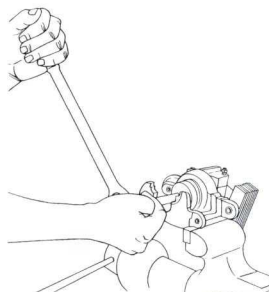
25080 1 1/2" Adapter (narrow pins) for most Hondas, Mazdas, Dodge Conquests, Mitsubishi Starions and 1 1/2" GMs (wide pins) for most Fords, Toyotas and Fieros.

5110 1 5/8" Adapter for most Nissans/Datsuns and Subarus

25130 1 7/8" GM Adapter Patent 5,003,681

25150 2 1/8" GM Adapter Patent 5,003,681

25170 2 1/2" GM Adapter Patent 5,003,681

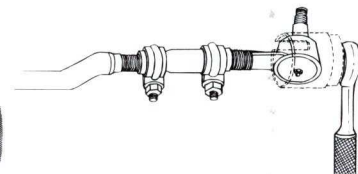


## 60250 TIE ROD END SOCKET

**Removes Tie Rod Ends on Most All Domestic and Import Vehicles.**

This tool is used to replace worn out tie rod ends. After separating the ball joint from steering knuckle, slip tool over end of worn tie rod and remove. Made of heat-treated alloy steel. Use with 1/2" drive impact wrench or ratchet. Socket dimensions are 1 15/16" ID and 2 1/4" long. "U" opening is 1 3/8" x 3/4".

60250 Tie Rod End Socket. Skin-packed. Shipping wt. 41 lb. 1 oz.

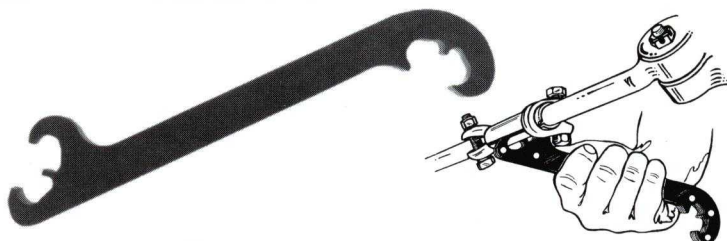


## 60500 UNIVERSAL TIE ROD TOOL

**Fits Most Domestic and Import Cars and Light Trucks with Split Tie Rod Sleeves.**

Double-end feature makes 360 degree turns possible in confined spaces.

60500 Universal Tie Rod Tool. Skin-packed. Shipping wt. 12 oz.



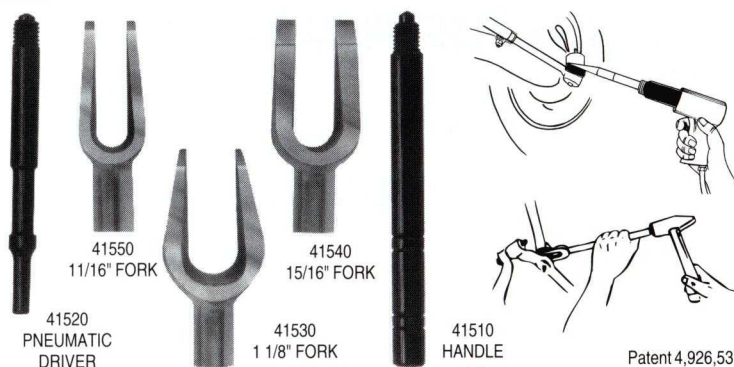


**41500 PICKLE FORK KIT**

For Separating Ball Joints, Tie Rods, Pitman Arms and Other Uses.

Six tools in one for exceptional versatility and value. Kit consists of three forks and two handles; one for hammering, the other for use with an air hammer (.401" shank). All forks are threaded to interchange with either handle. Forks are heavy-duty forgings, handles are heat-treated alloy steel.

**41500 Pickle Fork Kit.** Clam Shell Package. Shipping wt. 4 lbs.

**18520 TIE ROD SEPARATOR**

Heavy Duty Tool for Separating Tie Rods.

This tool is used to replace worn out tie rods. Also can be used to separate shock absorber links. Insert fork between parts and strike tool with a hammer to separate. The opening between the tines is 21/32" and the length is 11 7/8". This heavy duty tool is drop forged and heat-treated for long use.

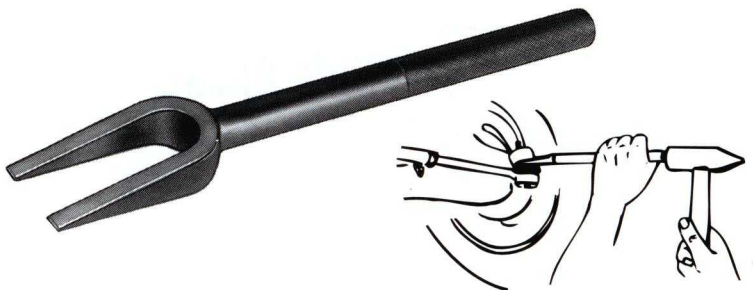
**18520 Tie Rod Separator.** Skin Packed. Shipping wt. 1 lb. 8 oz.

**18530 BALL JOINT SEPARATOR**

Heavy Duty Tool for Separating the Ball Joint from the Steering Knuckle.

This tool is used to replace worn out ball joints. Also can be used to remove CV drive shafts on FWD vehicles. Insert fork between parts and strike tool with a hammer to separate. The opening between the tines is 15/16" and the length is 11 7/8". This heavy duty tool is drop forged and heat-treated for long use.

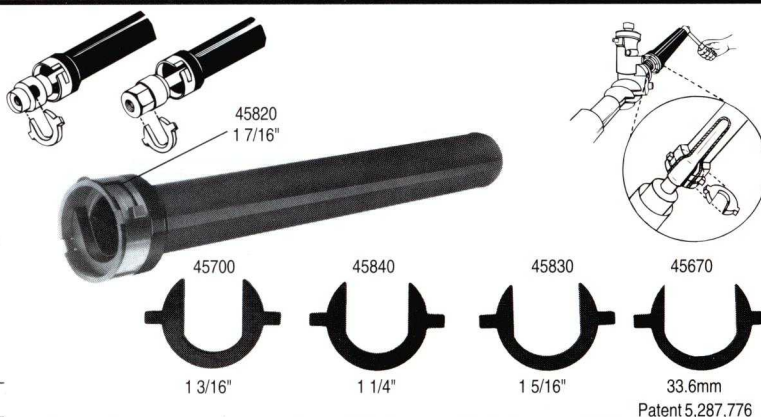
**18530 Ball Joint Separator.** Skin Packed. Shipping wt. 1 lb. 8 oz.

**45750 INNER TIE ROD TOOL**

Works on the Inner Tie Rods With Inaccessible Wrench Flats.

Many inner tie rod end sockets do not have a complete hex on the full length of the socket. The rounded socket ends prevent access to the wrench flats. The 45750 tool utilizes five crows feet, sizes 1 3/16", 1 1/4", 1 5/16", 1 7/16" and 33.6mm, to engage the wrench flats. The long socket then slips over the tie rod end and connects to the crows foot. Now, the inner tie rod can be removed and installed without removing the rack from the car.

**45750 Inner Tie Rod Tool.** Skin-packed. Shipping wt. 3 lb.

**61000 61100 INNER TIE ROD TOOLS**

For Installing and Removing the Inner Tie Rod Without Removing the Rack from the Car.

Long hollow socket slips right over the tie rod to easily reach the nut. Two sizes to fit most applications. 61000 has 1 3/16" Hex, fits some Ford, Renault. 61100 has 1 5/16" Hex, fits GM, Chrysler, American Motors and some Fords.

**61000 1 3/16" Inner Tie Rod Tool.** Skin-packed. Shipping wt. 1 lb. 12 oz.

**61100 1 5/16" Inner Tie Rod Tool.** Skin-packed. Shipping wt. 1 lb. 12 oz.





## 43620 BALL JOINT / TRUCK BRAKE ANCHOR PIN / U-JOINT PRESS

**Tough Tool Makes easy Work of 3 Different Jobs.**

Removes and installs press fit type ball joints found on cars and light trucks. Tool makes removing and installing truck brake anchor pins fast and easy. Also works on u-joints to press joint from the drive shaft for replacement. Tool comes with detailed instructions and a heavy-duty plastic storage case.

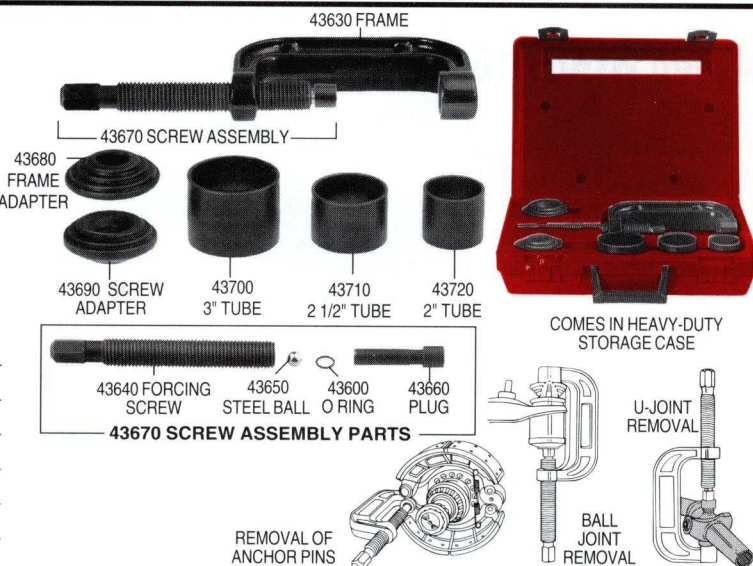
43620 Ball Joint/Truck Brake Anchor Pin/U-Joint Press. Boxed. Shipping wt. 16 lb. 2 oz.

43600 O Ring. 43660 Plug. 43700 3" Tube.

43630 Frame. 43670 Screw Assembly. 43710 2 1/2" Tube.

43640 Forcing Screw. 43680 Frame Adapter. 43720 2" Tube.

43650 Steel Ball. 43690 Screw Adapter.



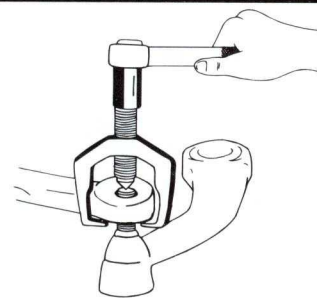
## 41900 PITMAN ARM PULLER

**Heavy Duty Puller Works on Most Cars & Trucks.**

Designed to work on even the most stubborn Pitman arm pulling jobs. Position puller jaws over Pitman arm and turn center screw to free Pitman arm. Puller body is drop-forged and heat-treated for strength.

41900 Pitman Arm Puller. Skin Packed. Shipping wt. 2 lbs. 1 oz.

41910 Puller Screw.

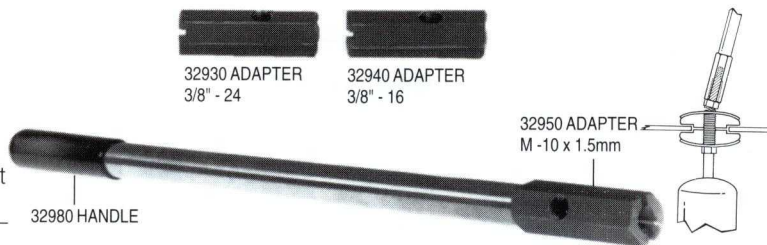


## 32900 SHOCK REMOVAL TOOL

**Remove Threaded Stem Shocks in a Fraction of Flat-Rate Time.**

Breaks the stem below the top shock nut. Breaker adapters for 3/8" - 16, 3/8" - 24 and M-10 x 1.5mm stems, fit most applications.

32900 Shock Removal Tool. Skin-packed. Shipping wt. 1 lb. 7 oz.



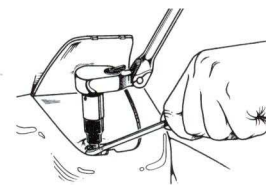
Patent 4,620,360

## 13400 SHOCK ABSORBER SOCKET

**For X and J Body GM Cars.**

Fits 6.1mm x 8mm "Double D" stem found on many General Motors OEM shocks. 3/8" drive.

13400 Shock Absorber Socket. Skin-packed. Shipping wt. 2 oz.



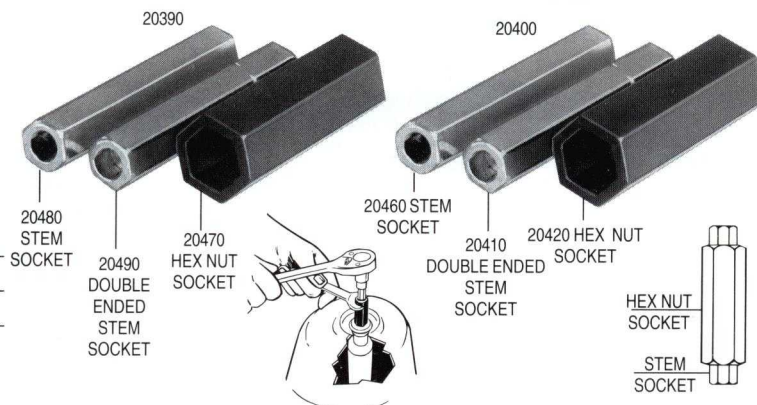
## 20390 20400 SHOCK ABSORBER TOOLS

**For Removing and Installing Shock Nuts.**

Two tools to fit most all shock nuts. 20400 fits most domestic models and some Ford OEM shock nuts. 20390 is made for Ford OEM shock nuts.

20390 Shock Absorber Tool for Ford. Skin-packed. Shipping wt. 7 oz.

20400 Universal Shock Absorber Tool. Skin-packed. Shipping wt. 5 oz.

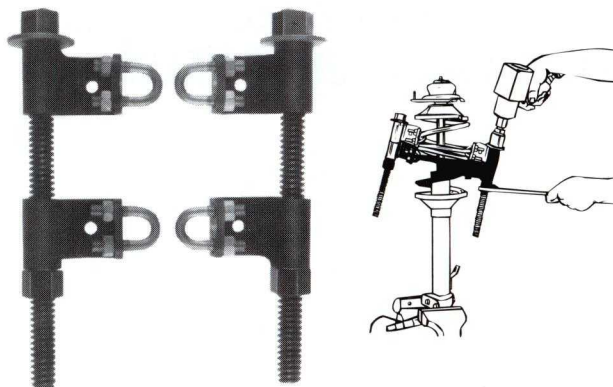




**62300 STRUT TOOL****Safe - Universal - Inexpensive.**

This is an inexpensive, but super safe strut spring compressor. Fits all strut spring sizes, import and domestic. Heavy duty clamps and bolts securely hold spring during operation.

**62300 Strut Tool.** Boxed. Shipping wt. 6 lbs. 3 oz.

**62750 GM10 STRUT TOOL****Removes GM10 Model MacPherson Strut Cartridge on the Car!**

Tool completely removes and installs strut cartridge through the strut tower. Comes with handle, spanner wrench and T-50 Torx® bit to quickly remove and replace strut cartridge. Works on all GM10 models including: 1988-up Grand Prix, Buick Regal, Cutlass Supreme and 1990-up Chevrolet Lumina. Complete instructions with tool. Use with 1/2" square drive.

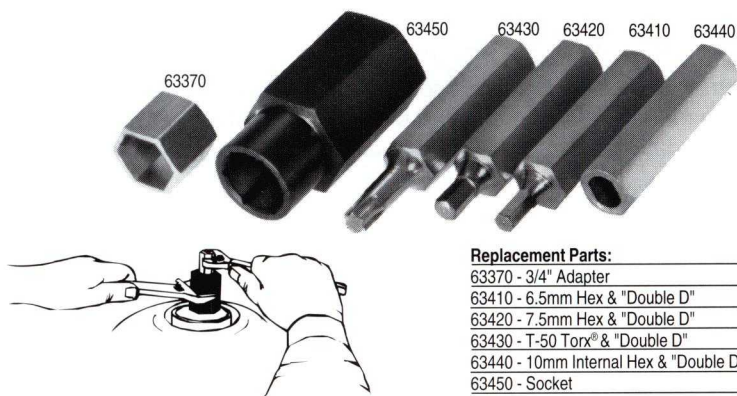
**62750 GM10 Strut Tool.** Clam Shell Package. Shipping wt. 3 lb. 8 oz.

**63400 UNIVERSAL STRUT NUT REMOVER****Makes Strut Disassembly & Assembly Easier.**

Four double-ended drivers remove the top nut on most all MacPherson Strut applications. Drivers fit Torx®, internal hex, two external hex and four "Double-D" sizes. Works especially well on nuts that are recessed. Allows direct reading with torque wrench when required.

**63400 Universal Strut Nut Remover.** Clam Shell Package.

Shipping wt. 1 lb. 14 oz.

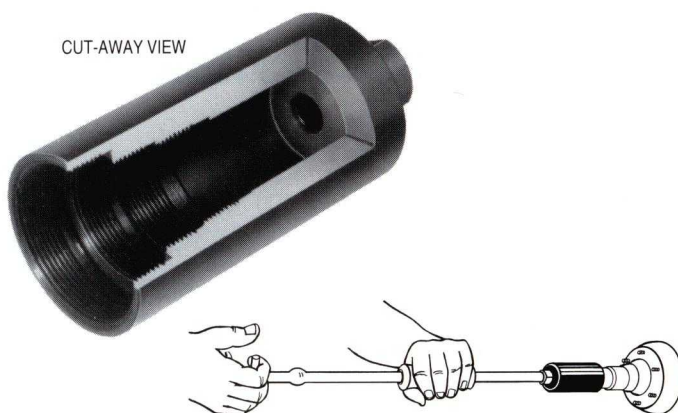
**Replacement Parts:**

63370 - 3/4" Adapter  
63410 - 6.5mm Hex & "Double D"  
63420 - 7.5mm Hex & "Double D"  
63430 - T-50 Torx® & "Double D"  
63440 - 10mm Internal Hex & "Double D"  
63450 - Socket

**22200 4-WD SPINDLE PULLER****Fits All Common 4-WD Pick-up Spindles.**

Stepped design fits 1 1/2", 1 5/8" and 2" spindles. Use with either a 1/2" - 20 or 5/8" - 18 slide hammer.

**22200 Spindle Puller.** Boxed. Shipping wt. 3 lb.





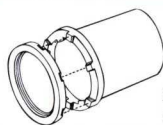
## 27250 27400 4-WD WHEEL BEARING LOCK-NUT TOOLS

27250 for 4-slot applications. 27400 combination tool for both 4-slot and 6-slot applications. 1/2" drive. Not for use with impact wrench.

**27250 Wheel Bearing Lock-Nut Tool.** Clam Shell Package. Shipping wt. 1 lb. 4 oz.

**27400 Combination 4-WD Wheel Bearing Lock-Nut Tool.**

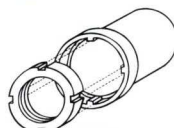
Clam Shell Package. Shipping wt. 1 lb. 9 oz.



27400 4-Slot application



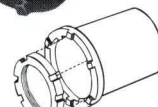
27250



27250 4-Slot application



27400



27400 6-Slot application

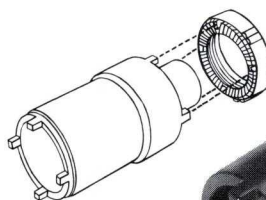
| 27250 (4-Slot Applications)                                 |                                                  |          |
|-------------------------------------------------------------|--------------------------------------------------|----------|
| Make                                                        | Model & Body Style                               | Year     |
| Chevy                                                       | 1/2, 3/4, 1 Ton 4WD front                        | 60-72    |
| Chevy                                                       | 1/2, 3/4 4WD front                               | 73-84    |
| Chevy                                                       | 1 Ton 4WD rear                                   | 73-81    |
| Chevy                                                       | 3/4 & 1 Ton 2 & 4WD rear                         | 46-72    |
| Chevy                                                       | 1 Ton 4WD front                                  | 77-81    |
| GMC                                                         | 1/2, 3/4, 1 Ton 4WD front                        | 60-72    |
| GMC                                                         | 1/2, 3/4 4WD front                               | 73-84    |
| GMC                                                         | 1 Ton 4WD rear                                   | 73-81    |
| GMC                                                         | 3/4 & 1 Ton 2 & 4WD rear                         | 46-72    |
| GMC                                                         | 1 Ton 4WD front                                  | 77-81    |
| Ford                                                        | Bronco II 4WD - except Dana 44                   | Thru '90 |
| Ford                                                        | F100, F150, F250 under 8500 lb. - except Dana 44 | 80-96    |
| Ford                                                        | F350 over 3500 lb. axle                          | 86-96    |
| Dodge                                                       | W150, 250 3500 lb. axle                          | 69-97    |
| 27400 (4-Slot Applications Same as Above plus 6-Slot Below) |                                                  |          |
| Chevy                                                       | 6 lug with 10/50 dia., ring gear                 | 80-91    |
| GMC                                                         | 6 lug with 10.5 dia., ring gear                  | 80-91    |

## 28000 RATCHETING LOCK NUT TOOL

Double-Ended for Both Sizes of Ratcheting Style Lock Nuts.

Two tools in one! Small end fits Ford 1986 to 1994 light trucks with Dana 44 front axle. Large end fits 1985 & newer Ford F150 - F350 trucks with the Dana 80 full floating rear axle. Press tool into lock nut and rotate to release the ratchet inside the lock nut. A torque wrench is used when installing. Use with 1/2" square drive.

**28000 Ratcheting Lock Nut Tool.** Clam Shell Package. Shipping wt. 3 lb.



## 39500 39550 39700 39750 FWD AXLE NUT SOCKETS

For All 30mm, 32mm, 34mm and 36mm Axle Nuts.

Durable, impact-grade material. Deep to fit over variable axle lengths. Works where standard sockets won't. Use 1/2" drive.

**39500 FWD Axle Nut Socket (30mm).** Clam Shell Package. Shipping wt. 1 lb. 1 oz.

**39700 FWD Axle Nut Socket (32mm).** Clam Shell Package. Shipping wt. 1 lb. 4 oz.

**39750 FWD Axle Nut Socket (34mm).** Clam Shell Package. Shipping wt. 1 lb. 7 oz.

**39550 FWD Axle Nut Socket (36mm).** Clam Shell Package. Shipping wt. 1 lb. 11 oz.



39500



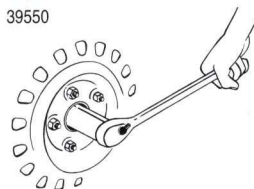
39700



39750



39550



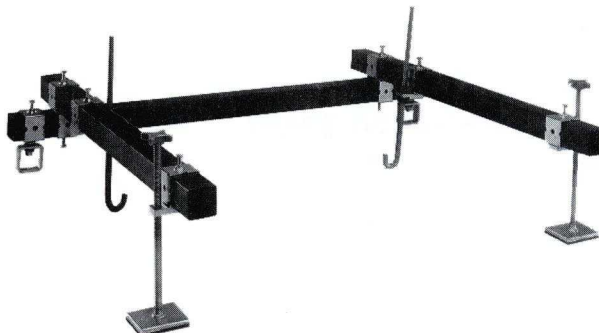
## 25700 ENGINE HANGER

Works On Front Wheel Drives With MacPherson Struts.

Supports and holds the engine in position when the transmission, transaxle or engine mounts are disconnected. Assures that the engine remains in position for remounting after service.

**25700 Engine Hanger.** Boxed. Shipping wt. 46 lbs.

Brochure T257-86 provides complete setup, operating instructions and parts list.

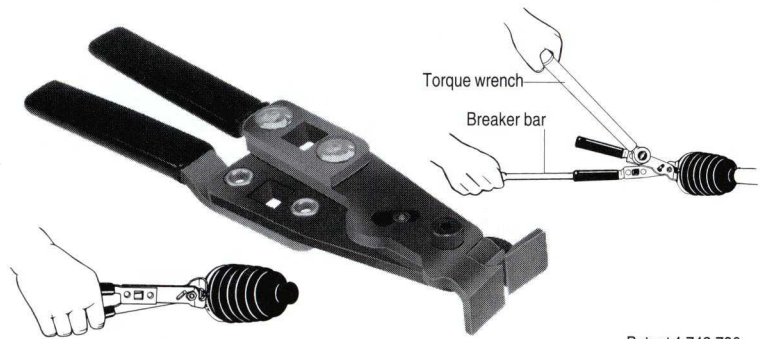




**30800 CV BOOT CLAMP PLIERS****For Ear-Type Clamps.**

For all ear-type clamps including GM FWD outboard CV joints. Designed for use with a torque wrench, as required for stainless steel bands.

**30800 CV Boot Clamp Pliers (Ear-Type).** Skin-packed. Shipping wt. 15 oz.



Patent 4,742,736

**30500 CV BOOT CLAMP PLIERS****For Earless-Type Clamps.**

A sturdy, low-cost tool. Works on earless-type clamps including those found on GM inboard CV joints.

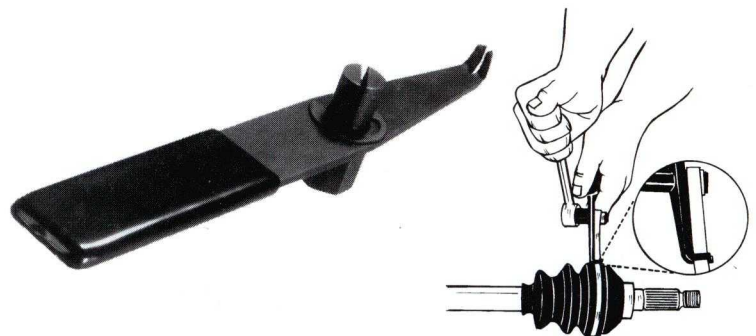
**30500 CV Boot Clamp Pliers (Earless-Type).** Skin-packed. Shipping wt. 12 oz.

**30950 CV JOINT BANDING TOOL****For All Band-It® and Band-It Jr.® Style Clamps.**

Works on all CV joints using the Band-It or Band-It Jr. type boot bands. Use 5/8" socket or wrench to wind and crimp new band on boot. Tool is easily disengaged from the band after the band is tightened.

**30950 CV Joint Banding Tool.** Skin-packed. Shipping wt. 5 oz.

Band-It® and Band-It Jr.® are trademarks of Band-It-IDEX, Inc.

**20600 CV BOOT DRIVER****For GM.**

Removes and installs boots on GM CV joints with stamped retainer rings (not clamps). Fits large and small rings. Does it fast, won't damage boots. May be used with an air-impact hammer.

**20600 CV Boot Driver.** Skin-packed. Shipping wt. 4 lbs. 9 oz.



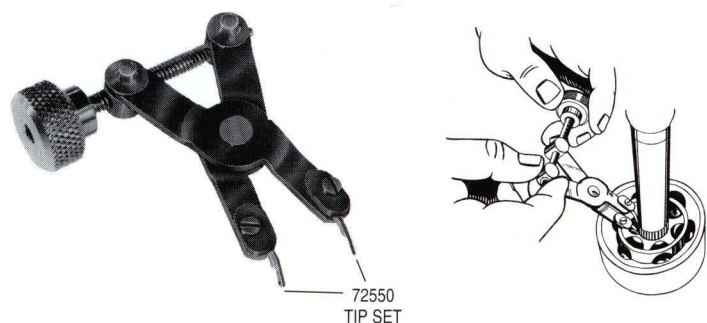
Patent 4,713,869

**72500 AXLE RETAINING RING EXPANDER FOR GM FWD****Disengages the Axle Retaining Ring from the Axle.**

Engage the points of the retaining ring in the holes in the tool tips. Expand the tool until the axle is released. Pull the axle.

**72500 Axle Retaining Ring Expander.** Skin-packed. Shipping wt. 4 oz.

**72550 Replacement Tip Set.**





## 32500 32750 TAILPIPE EXPANDERS

Removes clamp grooves and rounds out pipes. Practical, rugged tools that make easy work of a tough job. Two sizes fit most pipes: 32500 - 1 5/8" to 2 7/16" (41.3mm - 61.9mm) and the 32750 - 2 3/8" to 3 1/4" (60.3mm - 82.5mm).

**32500 Tailpipe Expander.** Clam Shell Package. Range 1 5/8" - 2 7/16".

Shipping wt. 2 lbs. 10 oz.

**32750 Tailpipe Expander.** Boxed. Range 2 3/8" - 3 1/4".

Shipping wt. 3 lbs. 14 oz.



|               | For 32500 | For 32750 |
|---------------|-----------|-----------|
| Threaded Cone | 32610     | 32780     |
| Plain Cone    | 32620     | 32770     |
| Cone Spacer   | 32630     | 32790     |
| "O" Ring Kit  | 32030     | 32740     |

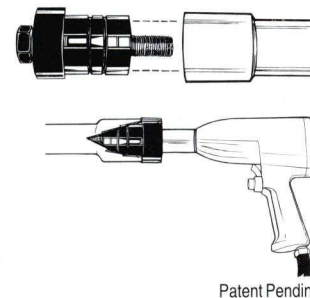


## 34400 EXHAUST/TAILOPIPE STRETCHER

Stretches All Types of Exhaust Pipe Including Stainless Steel.

Use with an impact wrench to quickly stretch pipes for connection. Two collet sets fit pipes from 1 5/8" to 2 7/16". Can be used on the car. The pipe stretcher is a convenient, inexpensive alternative to hydraulic pipe expanders.

**34400 Pipe Stretcher.** Clam Shell Package. Shipping wt. 4 lb. 6 oz.



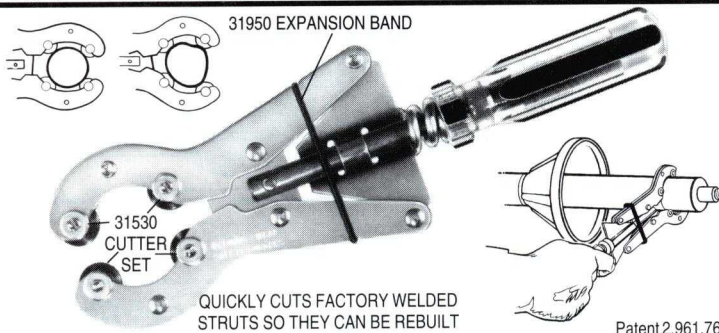
## 31500 EXHAUST/STRUT CUTOFF TOOL

Cuts Out-of-Round Pipes.

Four knife-edged cutting wheels cut quickly and cleanly. Can be operated with one hand. Less than 1/3 turn cuts all the way around the pipe. Unique design allows tool to "shift" to make out-of-round cut. Big 1 3/8" to 2 1/2" (34.9 - 63.5mm) range.

**31500 Exhaust / Strut Cutoff Tool.** Skin-packed. Shipping wt. 1 lb. 6 oz.

**31530 Set of Four Replacement Cutter Wheels for 31500.**

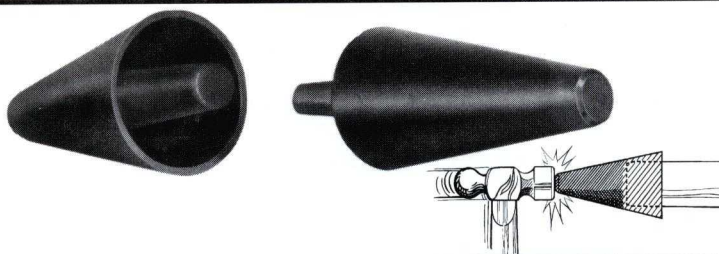


## 32000 PIPE END SHAPER

Rounds Pipes In or Out.

The Lisle 32000 rounds out exhaust pipes that are crushed or bent. Also reshapes pipes bent or flared out by placing big end over pipe. Range is 1 1/2" - 3" (38.1 - 76.2mm).

**32000 Pipe End Shaper.** Boxed. Shipping wt. 3 lbs. 15 oz.

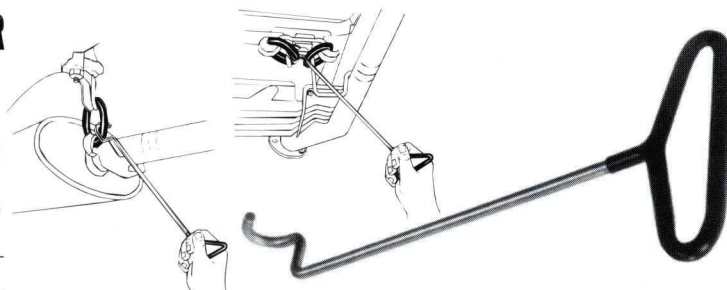


## 32100 EXHAUST "DONUT" STRETCHER

Removes and Installs Rubber Mounting Ring-Style Hangers Found on Import Cars.

Just place the hook of the tool through the rubber mounting ring. Then pull or push to stretch until you can remove ring from the hook on muffler, pipe or frame. Reverse procedure to install.

**32100 Exhaust "Donut" Stretcher.** Skin-packed. Shipping wt. 6 oz.



## 33000 TAIL & EXHAUST PIPE REMOVER

Helps Remove Rusted Pipes While Saving Serviceable Exhaust Components.

Works on both inside and outside pipes. Can be used with impact tool.

**33000 Pipe Remover.** Skin-packed. Shipping wt. 7 oz.





## 21700 WRINKLE BAND RING COMPRESSOR

### 4 Ways Better!

1. LOW FRICTION! Wrinkle Band cuts friction in half. Rings slide in easily.
2. WRINKLE BAND! Can't slip down into cylinder.
3. CAM OPERATED! Set adjustment screw just once for entire set of pistons.
4. FASTER! Insert a full set of pistons in half the time, with half the work!

21700 Wrinkle Band Ring Compressor. Skin-packed. Shipping wt. 6 oz.



## 19500 20500 21000 21500 RING COMPRESSORS

### Lisle Spring Clutch Eliminates Ratchet Problems.

The Lisle spring clutch assures a proper fit on the piston and a positive locking action.

19500 Ring Compressor. Range 2 1/8" to 5". (Height 3 1/2") Skin-packed.

Shipping wt. 11 oz. NSN 5120-00-250-6055

20500 Ring Compressor. Range 3 1/2" to 7". (Height 3 1/2") Skin-packed.

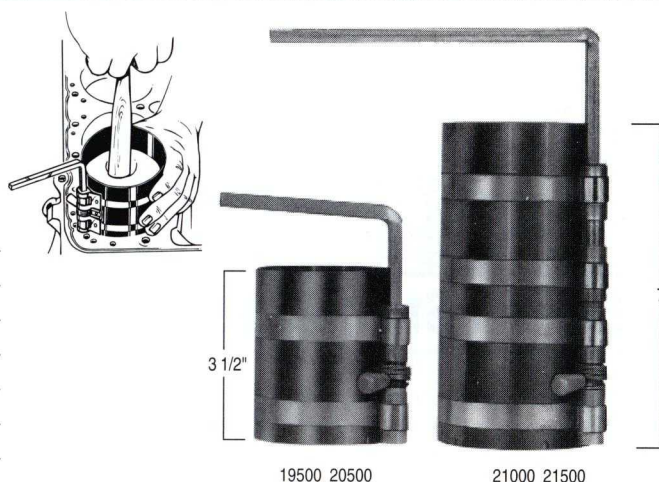
Shipping wt. 14 oz. NSN 5120-00-223-8848

21000 Ring Compressor. Range 3 1/2" to 7". (Height 7") Boxed.

Shipping wt. 1 lb. 11 oz. NSN 5120-00-116-7676

21500 Ring Compressor. Range 7" to 10". (Height 7") Boxed.

Shipping wt. 2 lbs. 4 oz.



Patent 3,174,215

## 19000 TAKE-APART RING COMPRESSOR

The 19000 combines Lisle spring clutch with take-apart feature necessary for Volkswagens, motorcycles, out-board motors, etc. Quick release makes it easy to remove from connecting rod. Can be used on conventional engines with narrow ring spacing.

19000 Ring Compressor. Range 2 1/8" to 5". (54-127mm) Boxed. Shipping wt. 6 oz.



Patent 3,174,215

## 18500 SMALL ENGINE RING COMPRESSOR

For Small Cylinders: 1 1/2" to 3"  
(38.1-76.2mm)

Quality tool at a low price. Takes all the rings at one setting.

18500 Ring Compressor. Boxed. Shipping wt. 4 oz. NSN 5120-00-322-6223

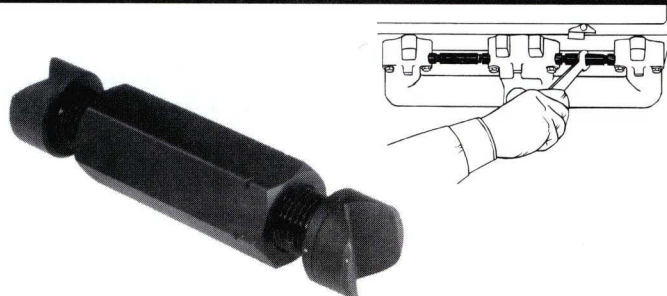


## 13000 EXHAUST MANIFOLD SPREADER

For Reinstalling the Manifold on Small Block Chevrolets.

A simple way to expand a warped manifold so all bolt holes are accurately aligned. Helps prevent cross-threading of manifold bolts. Works best when used in pairs. Or install before removing manifold to prevent misalignment.

13000 Exhaust Manifold Spreader. Skin-packed. Shipping wt. 6 oz.





## 36500 RIDGE REAMER

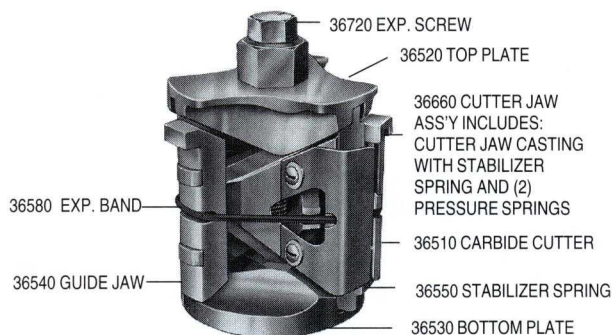
### Big Range Scraper Action.

Rollers assure easy turning in cylinder. Exclusive stabilizer spring allows operator to take selective cut to minimize chatter. Spring-loaded carbide cutter follows contour of cylinder. Complete ridge removed in just a few easy turns. Offset jaw guides assure rigidity throughout the range.

**36500 Ridge Reamer.** Range 2 11/16" - 5 5/16" (68.3 - 134.9mm)

Clam Shell Package. Shipping wt. 2 lbs. 4 oz. NSN 5110-00-228-7009.

**36510 Carbide Cutter.**



Patent 2,834,232 & 2,780,115

## 38000 LATHE TYPE RIDGE REAMER

### Smoothest, Most Versatile Lisle Ridge Reamer.

Proven Lisle lathe action follows worn cylinder contours and imperfections. Positions from cylinder wall to accommodate slant block engines as well as conventional types. Tungsten carbide cutter is reversible for twice the wear.

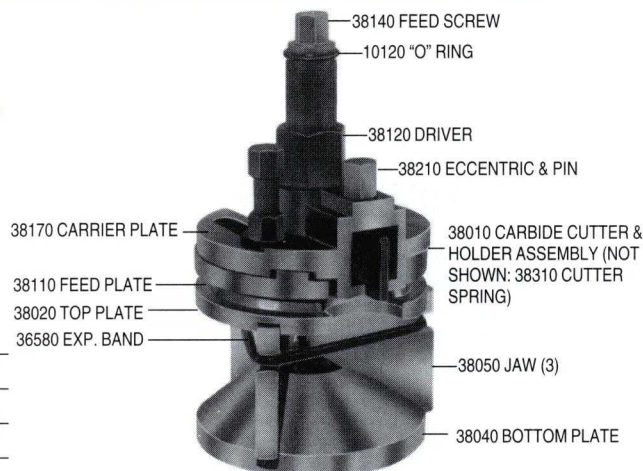
#### Just 3 Easy Steps:

1. Lock the reamer inside cylinder.
2. Feed cutter to cylinder wall.
3. Turn out the ridge.

**38000 Ridge Reamer.** Range 3" to 5" (76.2 - 127mm) Clam Shell Package.

Shipping wt. 2 lbs. 8 oz.

**38010 Carbide Cutter.**

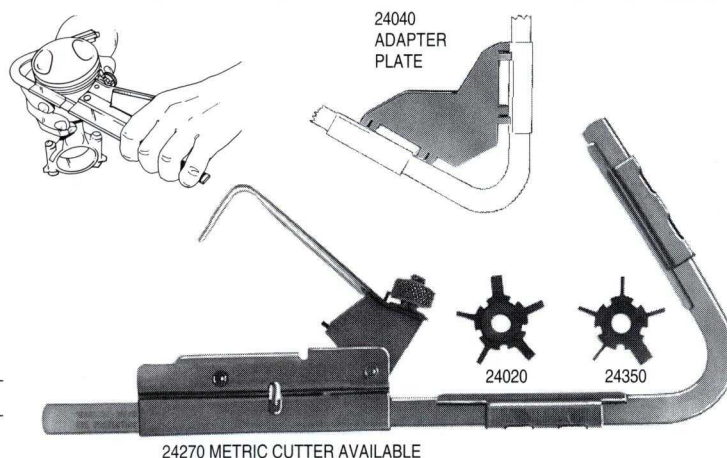


## 24000 RING GROOVE CLEANER

### Comes with Two Easy-To-Set Cutter Wheels for Quick Cleaning of Grooves.

Heavy coil spring holds cutter in groove for fast removal of carbon. Tool comes with standard 24020 cutter blade sizes: 5/64", 3/32", 1/8", 5/32", 3/16" and special 24350 cutter blade with sizes: 1.5mm, 1/16", 1.75mm, 2mm, and 1/4". Handles pistons 2 3/4" to 5" diameter. 24040 adapter plate available for smaller pistons, 1" to 2 3/4". 24270 metric cutter wheel is available with 2mm, 2.5mm, 3mm, 4mm and 5mm.

**24000 Ring Groove Cleaner.** Skin-packed. Shipping wt. 10 oz.



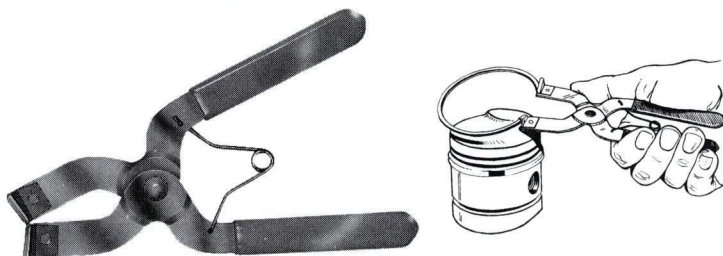
## 33500 PISTON RING INSTALLER

### Save by Reducing Ring Breakage.

Tapered jaws to remove and install most passenger car and light truck rings from 3/64" to 1/4" (1.2 - 6.3mm).

**33500 Piston Ring Installer.** Skin-packed. Shipping wt. 4 oz.

NSN 5120-00-857-3190

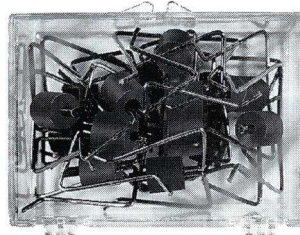


## 35500 ROCKER STOPPERS

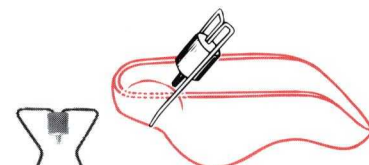
### Plug Oil Holes in Ball-Joint Type Rocker Arms.

Spring steel clips with gaskets stop splashing, squirting hot oil while you adjust clearance. Designed for cars with hollow, oil-fed push rods.

**35500 Rocker Stoppers.** Sixteen per set. Skin-packed. Shipping wt. 2 oz.



SET COMES WITH 16 CLIPS





## 23500 STONE-TYPE GLAZE BREAKER

Full 2" to 7" Range (50.8 - 177.8mm).

Controlled pressure assures positive, adjustable contact through full range. Operates with any electric drill.

Furnished with 3" long 220 grit stones, see below for other grits. Adjustable stop collar permits quick selection of two range settings, from 2" to 4" and from 4" to 7". Stone arms are easily compressed to eliminate cylinder scratches.

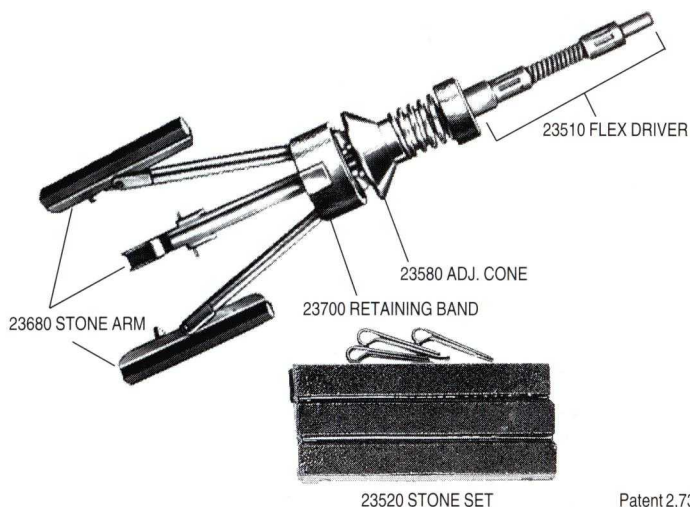
**23500 Glaze Breaker.** Range 2" to 7". Skin-packed. Shipping wt. 1 lb. 4 oz.

**23520 Set Replacement Stones, 220 grit.** Skin-packed. Shipping wt. 2 oz.

**23530 Set Special Hard Stones, 240 grit.** For use after re-boring only.

Not for glaze breaking. Skin-packed. Shipping wt. 2 oz.

**23540 Set Replacement Stones, 320 grit.** Suitable for use when installing moly rings. Skin-packed. Shipping wt. 2 oz.



Patent 2,736,146

## 15000 ENGINE CYLINDER HONE

Best by Far - Yet Competitively Priced.

Micrometer head assures accuracy in feeding. Expands quickly to cylinder size with fast action rack and pinion. Bottom guard plate helps prevent stones from accidentally hitting the crankshaft. Universal joint action makes grinding of back cylinder easy. Clip-on stones and wipers are easily changed in a few seconds. Stones are available in five grits. Use with heavy-duty 1/2" drill. Big 2 3/4" to 10 1/4" (69.8 - 260mm) range with only one hone body. Long 5" stones cut faster, more accurately.

**15000 Engine Cylinder Hone Set.** NSN 4910-00-554-9245. Shipping wt. 7 lbs.

Includes the following: Cylinder hone body with 1 set of 15540 standard range rack (range is 3" to 4 1/4"). 1 set each of 15500 coarse stones and 15510 medium stones, cleaning brush and dressing paddle in a sturdy storage case.

**15500 Stone/Wiper Set.** NSN 4910-00-348-2581

**15510 Stone/Wiper Set.** NSN 4910-00-348-2585

Replacement rack sets, and stone and wiper sets - order by part number. All stone and wiper sets consist of two stones and two wipers, all are 5 inches long, and weigh 7 oz.

FOR DRIVER EXTENSION  
ORDER PART #15090



Easy replacement of stones  
and wipers. They clip on!

| Cylinder<br>Size Range          | Rack Set<br>Part No. Weight | Stone and Wiper Set Part Numbers |          |          |          | Special Hard<br>Bond for<br>Steel 150 Grit |
|---------------------------------|-----------------------------|----------------------------------|----------|----------|----------|--------------------------------------------|
|                                 |                             | 80 Grit                          | 180 Grit | 280 Grit | 500 Grit |                                            |
| 2 3/4" - 3 3/4"<br>69.8 - 95mm  | 15550<br>1 lb.              | 15680                            | 15690    | 15700    | ----     | ----                                       |
| 3" - 4 1/4"<br>76.2 - 108mm     | 15540<br>1 lb. 2 oz.        | 15500                            | 15510    | 15520    | 15990    | 15490                                      |
| 4" - 6 1/4"<br>100 - 158mm      | 15530<br>1 lb. 6 oz.        | 15500                            | 15510    | 15520    | 15990    | 15490                                      |
| 6 1/8" - 10 1/4"<br>155 - 260mm | 15560<br>1 lb. 14 oz.       | 15500                            | 15510    | 15520    | 15990    | 15490                                      |

## 16000 SMALL CYLINDER HONE

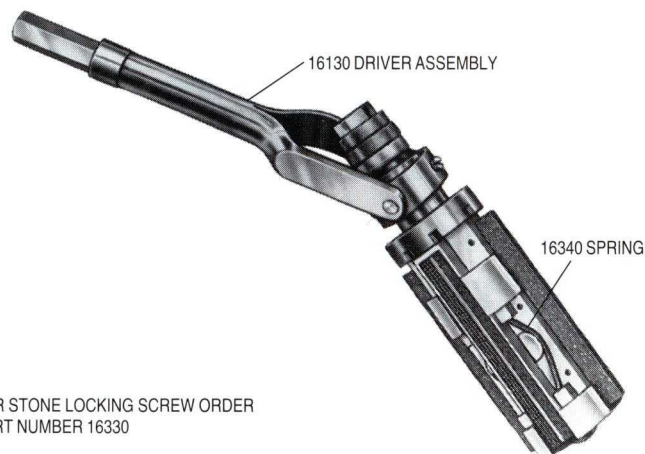
For 1 3/4" to 2 3/4" (44.5 - 66.9mm) Cylinders.

Precision built for small cylinders. Stones are 3 1/2" long, assuring unusual accuracy. Stones cover full range, are easily changed, and available in four grits. Comes complete with 16410, 16420 and 16430 medium grit stone sets in sturdy storage case.

**16000 Small Cylinder Hone.** Range 1 3/4" to 2 3/4". Shipping wt. 4 lbs. 2 oz.

Replacement stone and wiper sets - order by part number. All stone and wiper sets consist of two stones and two wipers, all stones and wipers are 3 1/2" long, and weigh 2 ounces.

| Cylinder Size Range            | Stone and Wiper Set Part Numbers |          |          |           |
|--------------------------------|----------------------------------|----------|----------|-----------|
|                                | 80 Grit                          | 180 Grit | 280 Grit | For Alum. |
| 1.75" - 2.20"<br>44.5 - 55.9mm | 16440                            | 16410    | 16380    | 16470     |
| 2.05" - 2.50"<br>52 - 63.5mm   | 16450                            | 16420    | 16390    | 16480     |
| 2.35" - 2.75"<br>59.6 - 69.9mm | 16460                            | 16430    | 16400    | 16490     |



FOR STONE LOCKING SCREW ORDER  
PART NUMBER 16330

FOR JAW CASTING ORDER PART  
NUMBER 16540

Patent 2,823,497



## 41000 41200 41300 VALVE GUIDE KNURLERS

**Recondition Worn Valve Guides to Original Size.**

Install standard size replacement valves by restoring worn valve guides to their original size with one of the Lisle Valve Guide Knurlers. No metal is removed. Three standard sets fit most popular valve guide sizes. Use with 1/2", 550 RPM or less drill. Each set comes with knurling tap, knurling tap driver, resizer and cleaning brush. 41300 includes two resizers: .373" and .375" for extra coverage.

**41000 Valve Guide Knurler.** 5/16" Valve Guides. Disp. pack. Shipping wt. 12 oz.

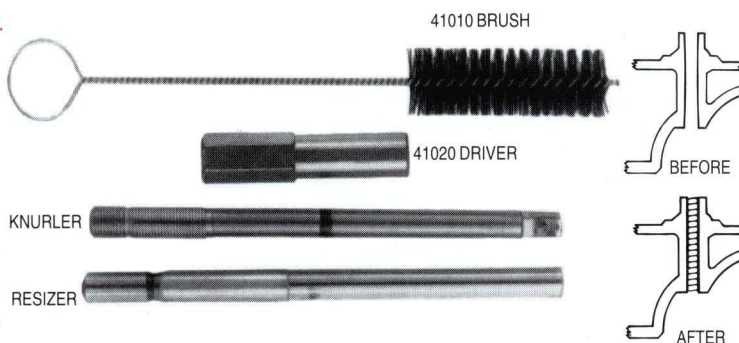
**41200 Valve Guide Knurler.** 11/32" Valve Guides. Disp. pack. Shipping wt. 13 oz.

**41300 Valve Guide Knurler.** 3/8" Valve Guides. Disp. pack. Shipping wt. 14 oz.

41000  
Knurler 41040  
Re-sizer 41050

41200  
Knurler 41200  
Re-sizer 41220

41300  
Knurler 41310  
Re-sizer 41320 .373"  
Re-sizer 41410 .375"



## 16750 VALVE SPRING COMPRESSOR

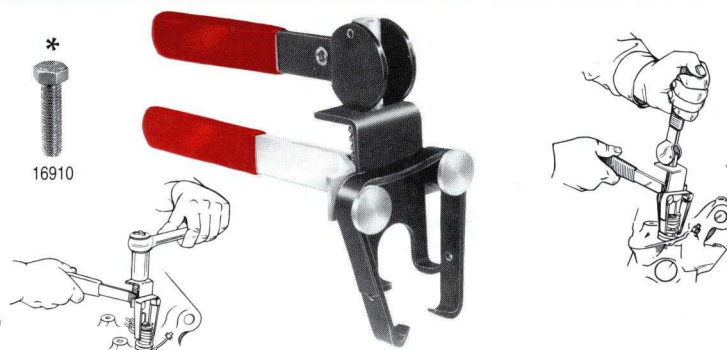
**An "ON THE CAR" Tool.**

Makes compressing the spring and removing the keepers a simple job because there is no need to remove the head. Adjustable cam action. Fast, because there is no need to readjust the tool after each spring.

**16750 Valve Spring Compressor.** Clam Shell Package. Shipping wt. 1 lb. 13 oz.

**16910 Bolt.**

\* WHEN SPACE PROHIBITS USE OF CAM HANDLE, REPLACE HANDLE WITH BOLT AND TURN WITH SOCKET.



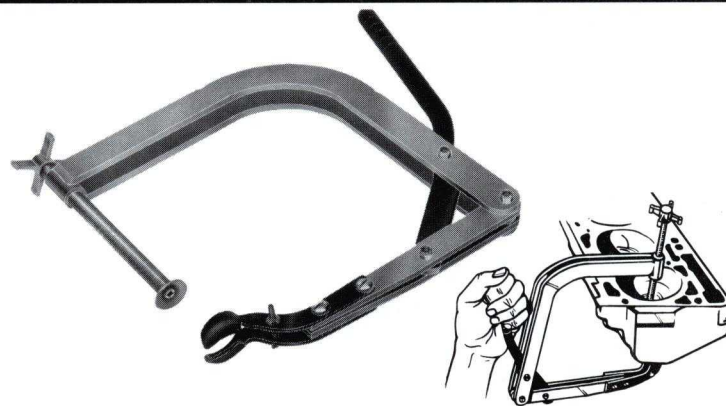
## 44300 VALVE SPRING COMPRESSOR

**High Leverage Allows One-Hand Operation.**

Exceptionally strong, rigid frame, weighs only 6 lbs. Works with nearly all valve-in head and L-head engines as well as truck and tractor engines.

**44300 Valve Spring Compressor.** Med. Offset Jaws. Boxed. Ship. wt. 6 lbs. 8 oz.

**44770 Set of Medium Offset Jaws.** 7/8" to 2 1/4" (22.2 - 57.1mm) capacity.



## 23300 SMALL ENGINE VALVE SPRING COMPRESSOR

**For Springs 3/4" to 1 1/16".**

Heavy-duty frame and screw for rigidity. Two jaw sizes. For Briggs and Stratton, Clinton, Harley-Davidson, etc.

**23300 Small Engine Valve Spring Compressor.** Skin-packed. Shipping wt. 14 oz.

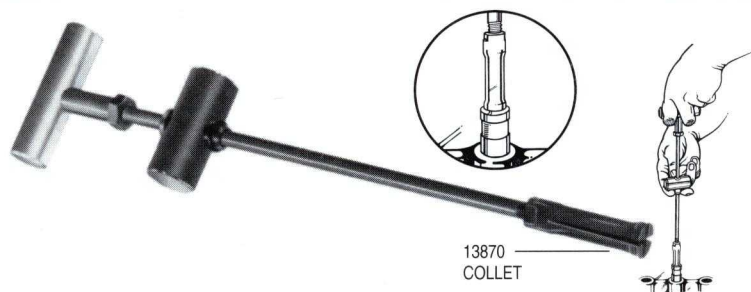


## 13750 HYDRAULIC LIFTER PULLER

**Remove Stuck Hydraulic Valve Lifters.**

Expanding collet firmly grips the tightest lifters. Special designed slide hammer jars the lifter loose.

**13750 Valve Lifter Puller.** Skin-packed. Shipping wt. 1 lb.





**21100 21200 VALVE LAPPERS****For Hand Lapping Valves.**

Thick, hardwood handles for easy lapping. 21100 has 1 1/8" and 1 3/8" diameter cups for larger valves. 21200 has 5/8" and 13/16" diameter cups for smaller valves.

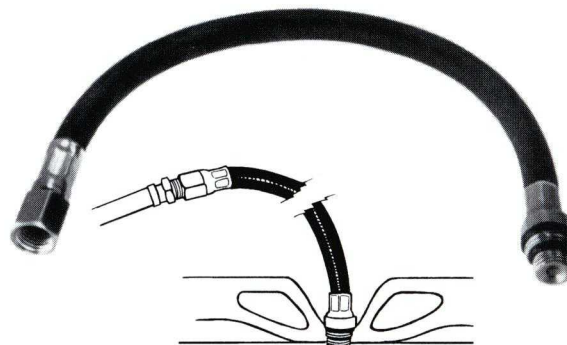
**21100 Large Valve Lapper.** Skin-packed. Shipping wt. 2 oz.

**21200 Small Valve Lapper.** Skin-packed. Shipping wt. 2 oz.

**19700 VALVE HOLDER****For Both 14mm and 18mm Spark Plug Threads.**

Commonly used when valve springs or valve stem seals are replaced. Air pressure helps prevent the valve from falling into the combustion chamber. Comes with two-step fitting for both 14mm and 18mm threads. Heavy duty 12" flexible hose allows easy access to spark plug hole and air supply. Thread fitting to spark plug hole and other end to air supply.

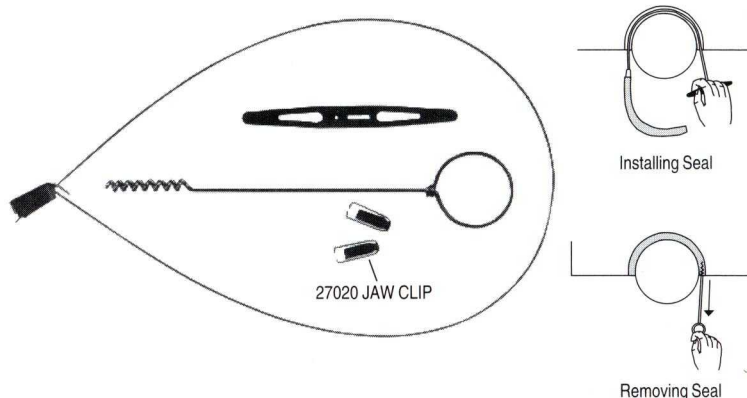
**19700 Valve Holder.** Skin-packed. Shipping wt. 4 oz.

**27000 SNEAKY PETE****Removes and Installs Upper Rear Main Seals Without Dropping Crankshaft.**

The Lisle 27000 includes everything needed to speed up a long, slow job. Cork screw puller makes it easy to remove old seal. To install new seal, 27000 includes a pulling wire with a removable T-handle and spring steel clip that grips the seal firmly as it is pulled into position. Two extra clips are furnished. Saves many times its cost every time it is used.

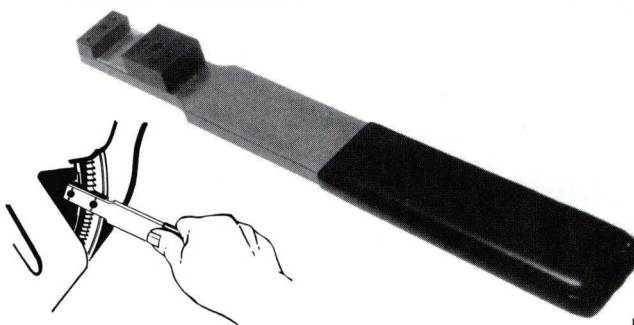
**27000 Sneaky Pete.** Skin-packed. Shipping wt. 2 oz.

**27020 Replacement Jaw Clip.**

**25500 FLEXPLATE WRENCH****Works Where Access is Limited.**

Works on GM transverse mounted engines where spanner type tools won't fit. Adjustable grippers fit both wide and narrow rims. Works on all flexplates.

**25500 Flexplate Wrench.** Skin-packed. Shipping wt. 8 oz.

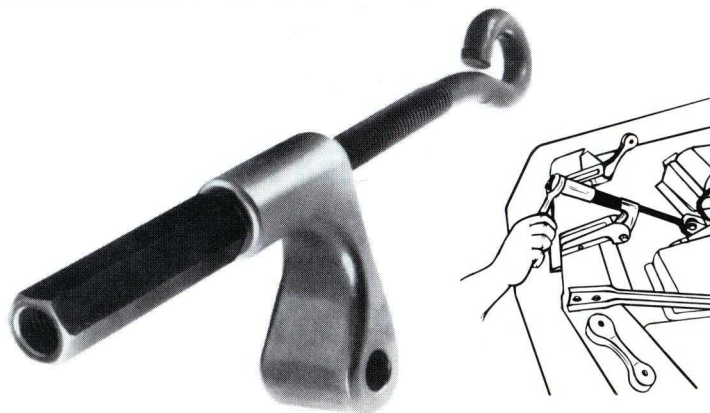


Patent 4,672,867

**22550 ENGINE TILTER****Tilts Transverse-Mounted GM Engines to Provide Easy Access for Repair. Works on GM Transverse-Mounted Engines with Engine Torque Struts (Dog Bone).**

This tool tilts and holds the engine forward, allowing easy access between the engine and the fire wall. Makes servicing much easier on spark plugs, oxygen sensor, ignition coils, etc. Use with 3/4" deep socket and ratchet.

**22550 Engine Tilter.** Skin-packed. Shipping wt. 1 lb. 1 oz.





## 18000 UNIVERSAL CAMSHAFT BEARING TOOL

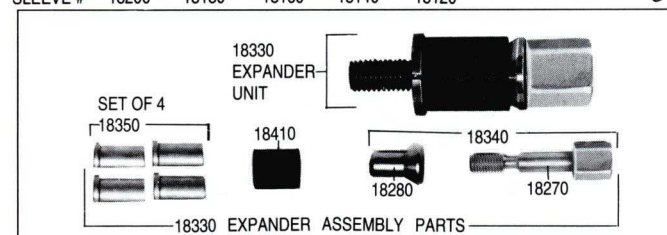
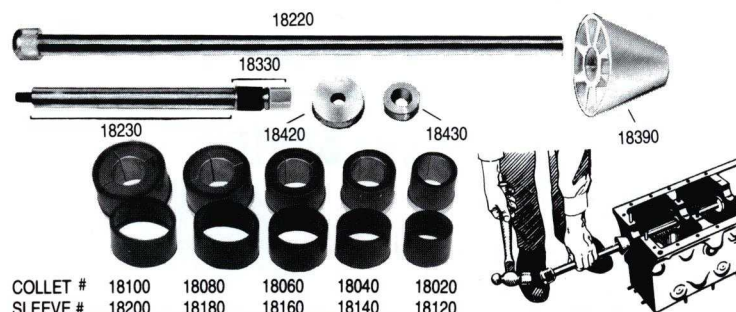
**Drives Camshaft Bearings Smoothly.**

Now, one complete low cost set that will remove or insert camshaft bearings in nearly all engines from compact cars to heavy trucks. Range of 1.125" to 2.69" (28.58 - 68.3mm). **EASY ON BEARINGS.** The expander has a neoprene sleeve over which the split driving plugs are mounted and expanded to size. This tool has two sets of rubber sleeves supplied with it for each expanding driver. The brown sleeves are used when driving thin wall bearings (.065). The black sleeves should be used when driving thick wall bearings (.090). Instruction sheet T18000 provides complete, illustrated operating instructions and parts list.

### 18000 Universal Camshaft Bearing Tool.

Range 1.125" to 2.690". Includes: Driving shaft, driving shaft extension, expander unit, five (5) split driving plugs, two (2) driving collars, centering cone and blow molded case. Shipping wt. 16 lbs. 3 oz. NSN 5120-00-878-8541

| DRIVER RANGE TABLE |                      |            |              |
|--------------------|----------------------|------------|--------------|
| BEARING SIZE I.D.  | EXPANDED DRIVER #    | USE WASHER | SLEEVE SET # |
| 1.125 TO 1.475     | Expander ass'y 18330 | 18430      | 18410        |
| 1.475 TO 1.700     | 18020                | 18430      | 18120        |
| 1.700 TO 1.925     | 18040                | 18420      | 18140        |
| 1.925 TO 2.150     | 18060                | 18420      | 18160        |
| 2.150 TO 2.375     | 18080                | 18420      | 18180        |
| 2.375 TO 2.690     | 18100                | 18420      | 18200        |



## 52500 MECHANIC'S STETHOSCOPE

**Unique Sound Chamber and Super Thin Diaphragm Greatly Amplifies Sounds.**

Quickly pinpoints the source of noises in engines, transmissions, differentials and bearings.

**52500 Stethoscope.** Skin-packed. Shipping wt. 6 oz.



## 20250 COMPRESSION TESTER

**Quickly and Accurately Check Compression on Gasoline Engines**

Gauge registers 0 - 300 psi and 0 - 2100 kpa. Fits 14 and 18mm thread sizes.

**20250 Compression Tester.** Skin-packed. Shipping wt. 15 oz.

**20100 Valve Core.** Mini pouched.



20280 14mm Adapter

## 20300 VACUUM GAUGE AND FUEL PUMP TESTER

Easy reading gauge assures accurate vacuum and pressure check.

**20300 Vacuum Gauge.** Skin-packed. Shipping wt. 7 oz.



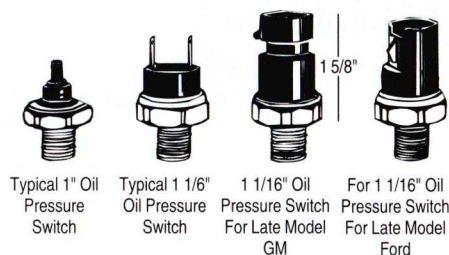


## 13200 OIL PRESSURE SWITCH SOCKET

Fits 1" and 1 1/16" Switches Up To 1 5/8" Long.

One socket with the correct length to fit most 1" and 1 1/16" oil pressure switches (for vehicles equipped with warning lights). 1 7/8" overall height for clearance. Use with 3/8" drive or 1 1/8" hex.

13200 Oil Pressure Switch Socket. Skin-packed. Shipping wt. 5 oz.

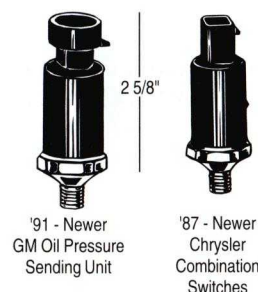


## 13250 OIL PRESSURE SWITCH SOCKET

Fits 1 1/16" Switches Up To 2 5/8" Long, Found on Newer GM and Chrysler Vehicles.

Fits 1 1/16" oil pressure sending unit (gauge type), found on most all '91 and newer GM vehicles. Also fits '87 and newer Chrysler vehicles with combination light and gauge oil pressure switches. Use with 3/8" drive or 1 1/8" hex.

13250 Oil Pressure Switch Socket. Skin-packed. Shipping wt. 5 oz.

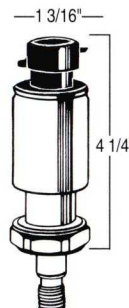


## 13150 OIL PRESSURE SENDING UNIT SOCKET

Fits 1 3/16" Oil Pressure Sending Units on Late Model GMs.

For late model GMs with oil pressure sending units (for vehicles equipped with gauges). This sending unit is approximately 4 1/4" long and requires an extra deep socket. Use with 3/8" drive or 3/4" external hex.

13150 Oil Pressure Sending Unit Socket. Skin-packed. Shipping wt. 14 oz.

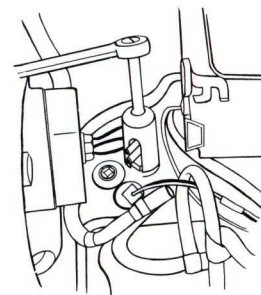


## 12000 VACUUM SWITCH SOCKET

Quickly Removes and Installs Vacuum Switches on Most Domestic and Some Import Vehicles.

Special 7/8" socket provides the needed depth and a cutaway slot to provide clearance for hose connectors. Heat-treated alloy steel. Use with 3/8" square drive.

12000 Vacuum Switch Socket. Skin-packed. Shipping wt. 7 oz.

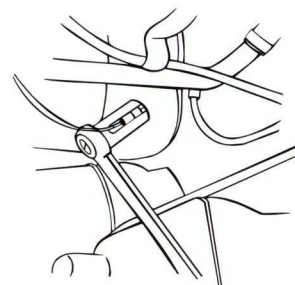


## 12100 OXYGEN SENSOR SOCKET

Removes and Installs Oxygen Sensors on Most Domestic and Some Imports.

Special 7/8" socket with cutaway slot to provide clearance for wire harness. Provides adequate depth to fit over sensor. Heat-treated alloy steel. Use with 3/8" square drive or 1" wrench.

12100 Oxygen Sensor Socket. Skin-packed. Shipping wt. 9 oz.





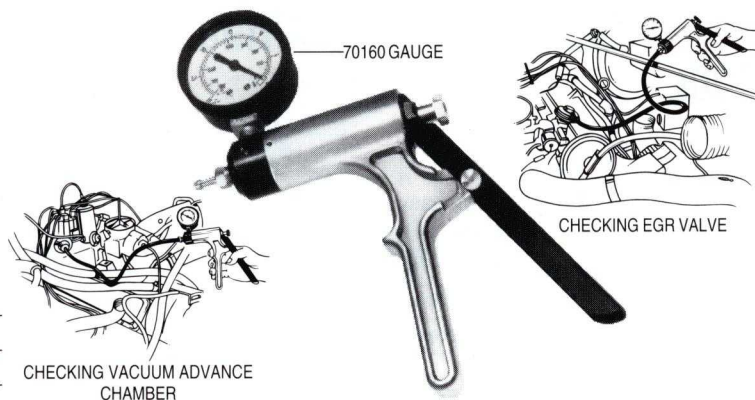
## 75000 VACUUM PUMP

Heavy Duty Vacuum Pump that is Field Repairable.

The pump is made of one-piece zinc die cast material for durability and improved performance. Checks all vacuum operated components on car. Pump comes with a detailed, illustrated manual covering vacuum testing. Worn o-rings, seals and valves can be replaced with the 75400 repair kit.

**75000 Vacuum Pump.** Skin-packed. Shipping wt. 1 lb. 4 oz.

**75400 Vacuum Pump Repair Kit.** Bagged. Shipping wt. 1 oz.



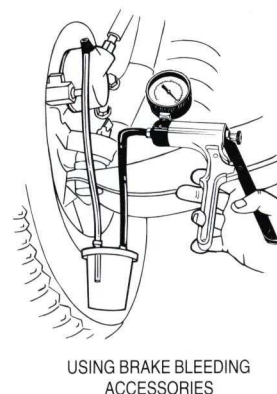
## 75200 VACUUM TESTING / BRAKE BLEEDING KIT

Comes with 75000 Vacuum Pump and Complete Accessories for Vacuum Testing and Brake Bleeding.

Pump is made of one-piece zinc die cast material for durability and improved performance. Order 75400 repair kit to replace worn out o-rings, seals and valves.

**75200 Vacuum Testing / Brake Bleeder Kit.** Molded Case. Shipping wt. 3 lbs. 7 oz.

**75400 Vacuum Pump Repair Kit.** Bagged. Shipping wt. 1 oz.

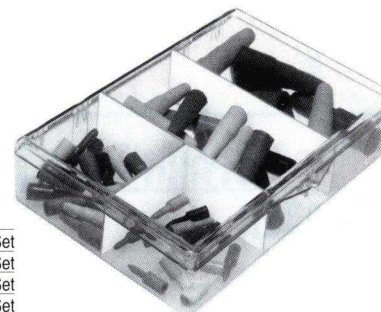


## 74600 VACUUM HOSE IDENTIFIERS

Identifies Vacuum Hoses and Fittings for Proper Installation.

Use when disconnecting vacuum lines and other hoses from fittings. Color coded, 48-piece set fits all vacuum applications from 1/8" to 1/2".

**74600 Vacuum Hose Identifiers.** Skin-packed. Shipping wt. 7 oz.



Individual Plug Sets Available:

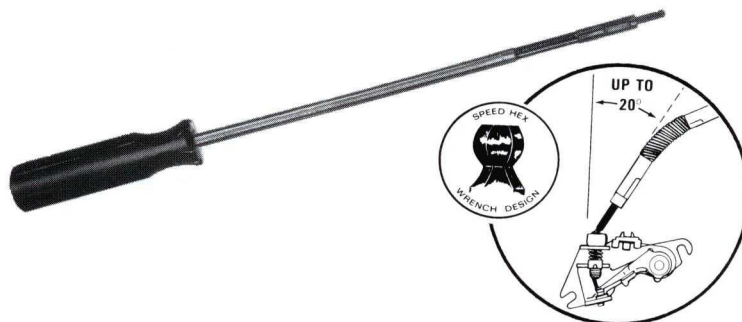
|                            |                      |
|----------------------------|----------------------|
| 74880 - 12pc. 1/8"         | Replacement Plug Set |
| 74890 - 18pc. 3/16" - 1/4" | Replacement Plug Set |
| 74900 - 12pc. 5/16" - 3/8" | Replacement Plug Set |
| 74910 - 6pc. 7/16" - 1/2"  | Replacement Plug Set |

## 43500 DISTRIBUTOR ADJUSTMENT TOOL

1/8" Hex Bit. For Adjusting Delco Distributors.

Makes it easy to adjust distributor point gap. Can be inserted and turned in hex socket screw at up to 20 degree angle. Flexible shaft.

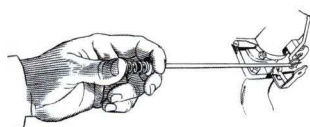
**43500 Distributor Adjustment Tool.** Skin-packed. Shipping wt. 3 oz.



## 46500 CARBURETOR PIN TOOL

For fast, sure removal and installation of carburetor linkage pins. Also for "E" clips and other small parts.

**46500 Carburetor Pin Tool.** Skin-packed. Shipping wt. 1 oz.

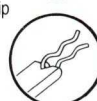


To remove PRESS AND HOOK

PULL  
Tool holds pin or clip securely

To replace...  
PRESS AND RELEASE

...also great for "E" clips





## 55250 CARBURETOR ADJUSTING TOOL

For Adjusting Idle / Mixture Screws on GM and Chrysler.

Heavy-duty flexible shaft for easy access. Four adapters conveniently store in the hollow handle.

55250 Carburetor Adjusting Tool. Skin-packed. Shipping wt. 4 oz.

Adapters: Shipping wt. on individual adapters is 1 oz.

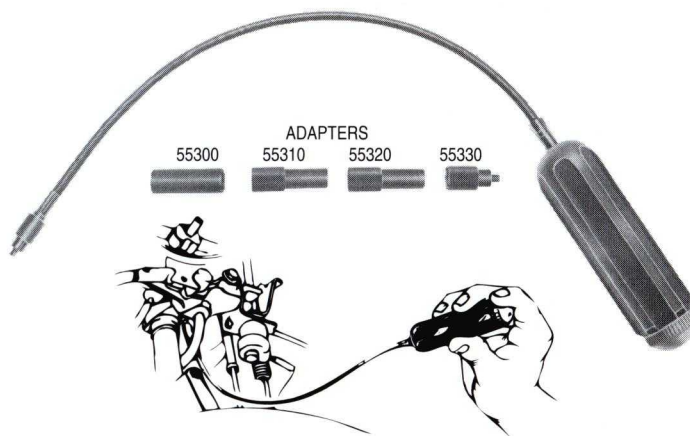
55300 "Double D" for GM, '79 thru present.

55310 1/4" Hex for pre-'78 GM.

55320 3/32" Hex for '78 through present Chrysler 1.7L - 2.2L engines.

55330 4.5mm Hex for '78 and '79 GM.

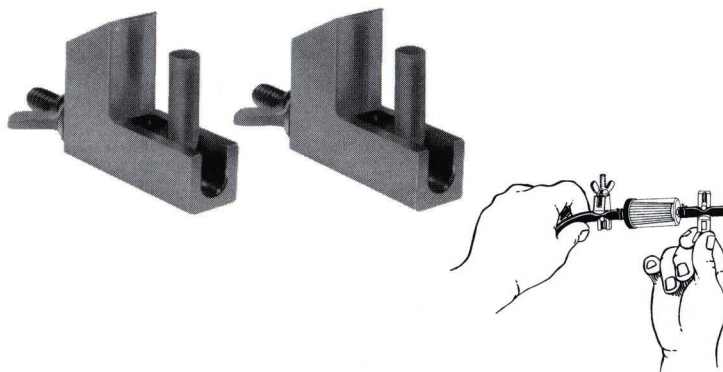
55340 "O" Ring Replacement.



## 22850 HOSE PINCHERS

A quick, easy way to pinch off vacuum lines, fuel lines, etc. without damaging the line. Sold two per set.

22850 Hose Pinchers. Skin-packed. Shipping wt. 3 oz. (2 per set)

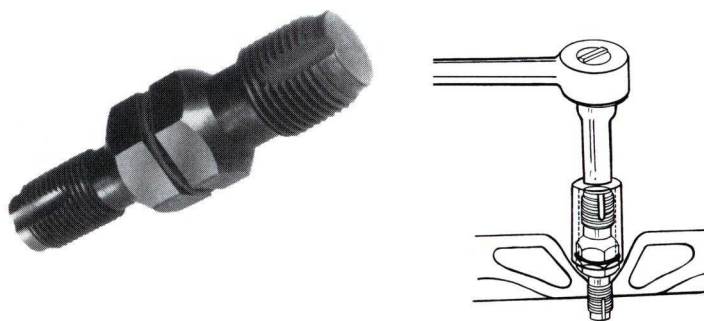


## 20200 SPARK PLUG HOLE THREAD CHASER

Double-Ended for Both 14mm & 18mm Threads.

Cleans threads in spark plug hole. Use with 13/16" spark plug socket.

20200 Spark Plug Hole Thread Chaser. Skin-packed. Shipping wt. 6 oz.



## 67800 67900 SPARK PLUG GAPPERS

For Standard and Electronic Ignitions.

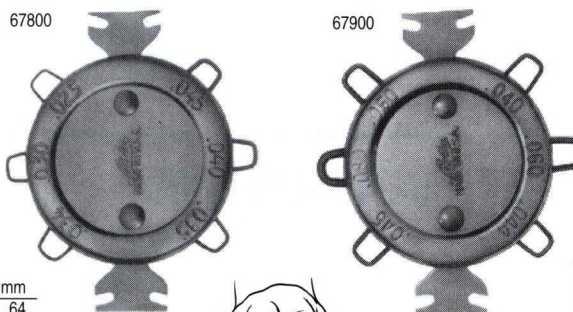
67800 for standard ignition. 67900 for electronic ignition.

67800 Standard Spark Plug Gapper. Skin-packed. Shipping wt. 2 oz.

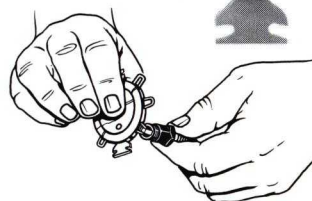
67900 Electronic Ignition Spark Plug Gapper. Skin-packed. Shipping wt. 2 oz.



| 67800 | Inches | mm   |
|-------|--------|------|
|       | .025   | .64  |
|       | .030   | .76  |
|       | .034   | .86  |
|       | .035   | .89  |
|       | .040   | 1.02 |
|       | .045   | 1.14 |



| 67900 | Inches | mm   |
|-------|--------|------|
|       | .035   | .89  |
|       | .040   | 1.02 |
|       | .044   | 1.12 |
|       | .045   | 1.14 |
|       | .048   | 1.22 |
|       | .050   | 1.27 |
|       | .060   | 1.52 |
|       | .080   | 2.03 |





## 51250 SPARK PLUG WIRE PULLER

**Removes Spark Plug Wire Boots from Plugs.**

A simple, yet effective tool for disengaging spark plug boots. Tool performs well in difficult areas such as recessed and obstructed plugs. Square shaft prevents slipping. Thick plastic handle prevents electric shock and provides greater pulling power.

**51250 Spark Plug Wire Puller.** Skin-packed. Shipping wt. 3 oz.



## 51500 SPARK PLUG WIRE PULLER

**Nylon Stops the Shocks and Beats the Heat and Burns.**

Helps you pull spark plug wires quickly, easily and without damage to the wire or rubber boots.

**51500 Spark Plug Wire Puller.** Skin-packed. Shipping wt. 2 oz.

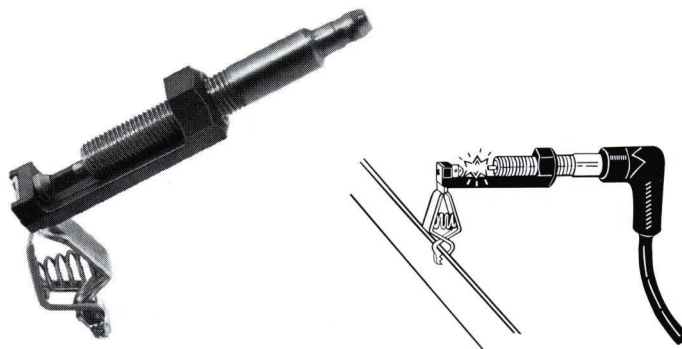


## 50850 IGNITION SPARK TESTER

**Quickly Checks Spark at Plug Wire.**

A handy tool to check ignition spark without removing the spark plug. The tool is specially calibrated to measure ignition voltage. Works on both standard and electronic ignition systems. Easy to use. Simply adjust calibration screw to proper gap size. Attach spark plug wire to end of tester. Clamp tester on engine to ground. Crank engine and check for spark.

**50850 Ignition Spark Tester.** Skin-packed. Shipping wt. 3 oz.

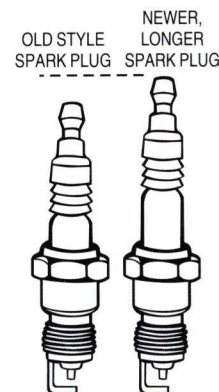


## 51400 EXTENDED SPARK PLUG SOCKET

**Fits Newer 5/8" Plugs with the Longer Insulators.**

Starting in 1991, many 5/8" size spark plugs have had their ceramic insulators lengthened by as much as 3/8". This extended socket clears the longer insulators. A special rubber insert helps prevent damage to the plug tip during installation and removal. The socket will also fit all 5/8" conventional spark plugs.

**51400 Extended Spark Plug Socket.** Skin-packed. Shipping wt. 4 oz.



## 20750 REMOTE STARTER SWITCH

**Tough, Smooth-working Reliable Switch.**

Features heavy gauge, rubber-covered copper wire. Depress button to jog or start the engine.

**20750 Remote Starter Switch.** Skin-packed. Shipping wt. 7 oz.





## 23400 TRANSMISSION / TRANSAXLE PLUGS

### Stops Loss of Transmission Fluid.

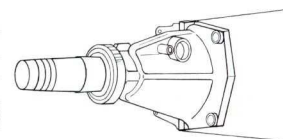
Five stepped plugs fit both transmissions and transaxles on most import and domestic cars and pickups. Stepped design prevents slipping out. Adapter 23450 includes side gear centering for Ford Transaxles. Plugs cover a range of 1" - 2.180" (25.4mm - 55.37mm). Plugs may be purchased individually.

**23400 Transmission Plugs.** Clam Shell Package. Shipping wt. 11 oz.



#### Adapters:

| Part No. | I.D. No. | Size Range                           |
|----------|----------|--------------------------------------|
| 23410    | 1        | 1" - 1.250" (25.4mm - 31.75mm)       |
| 23420    | 2        | 1.300" - 1.550" (33.02mm - 39.37mm)  |
| 23430    | 3        | 1.600" - 1.850" (40.64mm - 46.99mm)  |
| 23440    | 4        | 1.925" - 2.180" (48.895mm - 55.37mm) |
| 23450    | 5        | For Ford Transaxles                  |

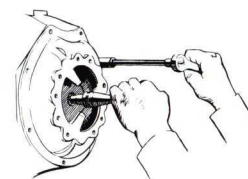


## 55500 CLUTCH ALIGNMENT TOOL

### Faster, Easier Replacement of Clutches.

Align clutch plates and pilot bearings accurately. Shaft and bushings provide an accurate fit for eight pilot bearing sizes. Two turned sizes (1" and 1 1/8") fit 90% of the clutch plates and the tapered cone handles the rest.

**55500 Clutch Alignment Tool.** Clam Shell Package. Shipping wt. 1 lb. 4 oz.

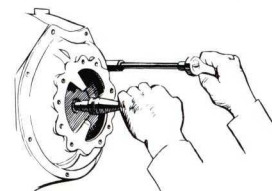


## 61750 METRIC CLUTCH ALIGNMENT TOOL

### For Faster, Easier Replacement or Repair of Metric Clutches.

Tool consists of the shaft, ten pilot bushings and two plate alignment cones with graduated turned diameters for "automatic" fit of most metric clutch plates. A tapered cone to fit all others is provided.

**61750 Metric Clutch Alignment Tool.** Clam Shell Package. Shipping wt. 13 oz.

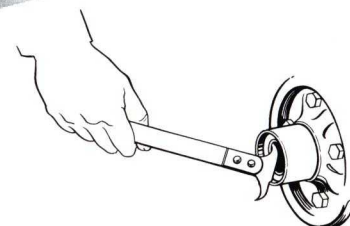
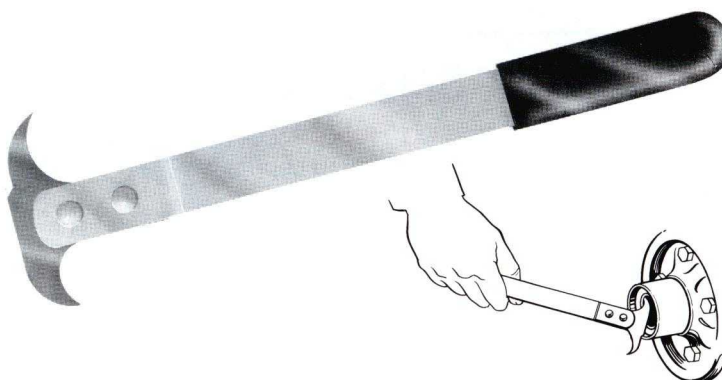


## 56750 SEAL PULLER

### For Oil and Grease Seals.

Simply insert the tip of the tool behind the oil or grease seal, press and pull. Leverage works for you. Two size tips reach in and fit nearly all seal applications.

**56750 Seal Puller.** Skin-packed. Shipping wt. 14 oz.



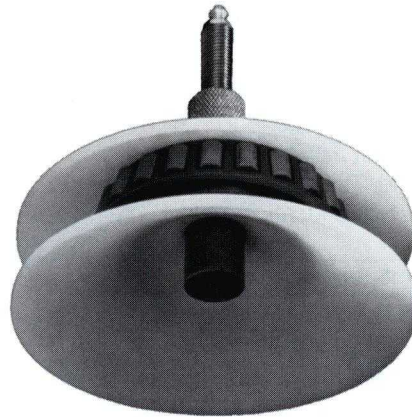


## 65250 UNIVERSAL BEARING PACKER

**Fast, Efficient, Thorough.**

Simply place the bearing between the plastic cones, tighten, and apply grease through the fitting on the end of the threaded shaft. Forces out old grease and evenly injects fresh grease. Cone diameter is 4 1/2".

65250 Universal Bearing Packer. Skin-packed. Shipping wt. 1 lb.



## 12600 BEARING RACE AND SEAL DRIVER

**Makes it Easier to Insert Bearing Race.**

Insert bearing race quickly, straight in on FIRST TRY! Helps reduce damage to both race and axle housing. Six disc sizes fit most bearing race sizes. Turn discs over to drive seals.

12600 Bearing Race Driver. Clam Shell Package. Shipping wt. 1 lb. 10 oz.

12660 Handle. Mini pouched.



| DRIVER<br>PART NO. | SIZE   |
|--------------------|--------|
| 12610              | 1.565" |
| 12620              | 1.750" |
| 12630              | 1.965" |
| 12640              | 2.325" |
| 12710              | 2.470" |
| 12650              | 2.555" |
| 12690              | 2.830" |
| 12700              | 2.995" |
| 12970              | 3.180" |

\*There are 9 Drivers. The first 6 are included in the 12600. The largest 3 are available individually or in 12980 Master Set.

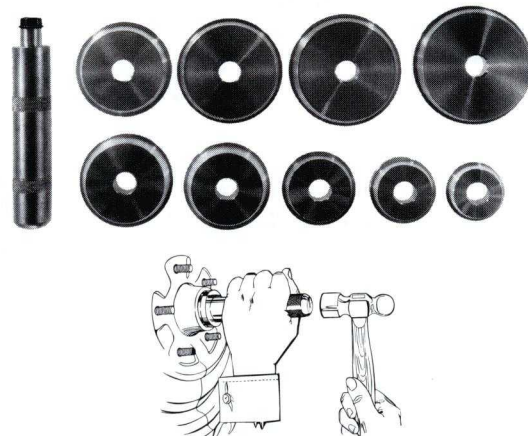
Patent 3,651,553

## 12980 BEARING RACE AND SEAL DRIVER - MASTER SET

Makes it easier to insert wheel bearing race and seals without damage to race and axle housing. This master set includes nine disc sizes to fit most standard wheel bearings. Turn discs over to drive seals. Packages in convenient clam shell for storage.

12980 Bearing Race and Seal Driver. Clam Shell Package. Shipping wt. 3 lbs.

12660 Handle. Mini pouched.



SET INCLUDES ONE OF EACH OF THE FOLLOWING DRIVERS.

| DRIVER<br>PART NO. | SIZE   |
|--------------------|--------|
| 12610              | 1.565" |
| 12620              | 1.750" |
| 12630              | 1.965" |
| 12640              | 2.325" |
| 12710              | 2.470" |
| 12650              | 2.555" |
| 12690              | 2.830" |
| 12700              | 2.995" |
| 12970              | 3.180" |

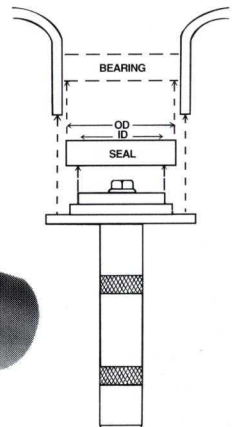
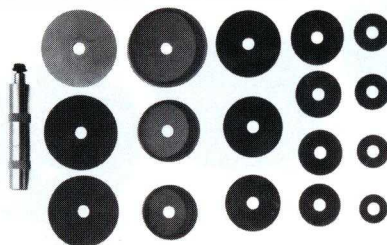
Patent 3,651,553

## 24800 SEAL DRIVER KIT

**Quickly Drives Seals Without Damage.**

Sixteen adapters for seals up to 3 3/8" diameter. Includes special adapters for "shielded" seals.

24800 Seal Driver. Clam Shell Package. Shipping wt. 1 lb. 9 oz.



SET INCLUDES 16 ADAPTERS, ONE WASHER AND ONE HANDLE.



## 53250 53500 53700 "SWIVEL GRIP" OIL FILTER WRENCHES

### Handle Swivels to Clear Obstructions.

All three models feature the swivel handle, gripper "teeth" and 1" wide stainless steel band. The swivel handle makes it easy to turn filters in hard to reach locations. Vinyl covered handle.

**53250 Large Swivel Grip Oil Filter Wrench.** Range 4 1/8" to 4 1/2"

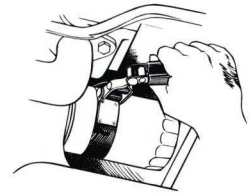
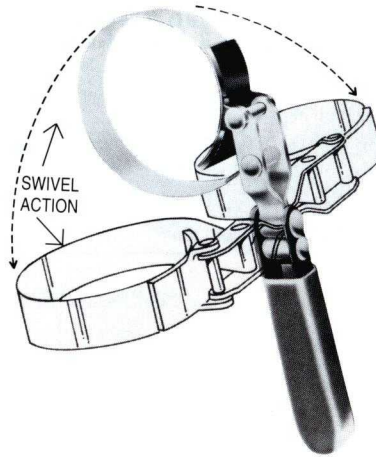
(104.7 - 112.7mm). Skin-packed. Shipping wt. 14 oz.

**53500 Standard Swivel Grip Oil Filter Wrench.** Range 3 1/2" to 3 7/8"

(88.9 - 98.4mm). Skin-packed. Shipping wt. 13 oz. NSN 5120-00-228-6287

**53700 Small Swivel Grip Oil Filter Wrench.** Range 2 7/8" to 3 1/4" (73 - 82.5).

Skin-packed. Shipping wt. 13 oz.

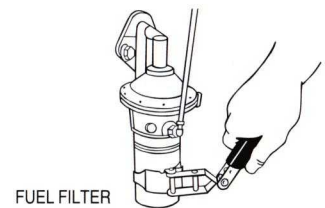
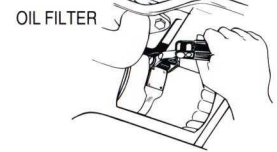


## 54400 "SWIVEL GRIP" OIL / FUEL FILTER WRENCH

### For Smaller 2 3/8" to 2 5/8" Oil Filters. Also fits Fuel Filters.

A new size in the Lisle filter wrench line for small oil and fuel filters. Tough stainless steel band with special "teeth" for extra gripping power...won't slip. Special narrow 1/2" band fits in tight spots. Handle swivels to clear obstructions and makes it easy to turn in hard to reach locations. Vinyl covered handle. Covers a range of 2 3/8" to 2 5/8" (60.3 - 66.7mm).

**54400 "Swivel Grip" Oil Filter Wrench.** Skin-packed. Shipping wt. 11 oz.



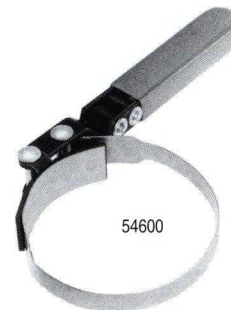
## 54500 54600 NARROW BAND FILTER WRENCH

### Works in Confined Spaces Where Regular Wrenches Won't Fit.

The 1/2" band, instead of the normal 1" band, fits over filters where clearance is a problem. Comes with "Swivel Grip" handle for easy turning in tight spots. Band is made of stainless steel with special "teeth" for extra gripping power. Range 2 7/8" - 3 1/4" (73 - 82.5mm) for 54500, Range 3 1/2" - 3 7/8" (88.9 - 98.4mm) for 54600.

**54500 Narrow Band Filter Wrench.** Skin Packed. Shipping wt. 10 oz.

**54600 Narrow Band Filter Wrench.** Skin Packed. Shipping wt. 10 oz.



## 54700 - 54800 END CAP FILTER WRENCHES

### For Many Common Oil Filters.

Cup design allows easy filter removal and installation from the end of the filter, even in tight locations. Use with 3/8" square drive. Important: match fluted end of the oil filter with the filter wrench to ensure you have the proper wrench size.

**54700** fits 65mm and 67mm filters with 14 flutes.

**54720** fits 80mm filters with 15 flutes.

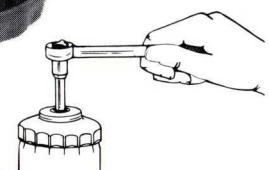
**54740** fits 74mm and 76mm filters with 15 flutes.

**54760** fits 76mm filters with 14 flutes.

**54780** fits 93mm filters with 15 flutes.

**54800** fits 93mm filters with 36 flutes.

**54700-54800 End Cap Filter Wrenches.** Carded. Shipping wt. 5 to 8 oz.





## 50750 OIL FILTER PLIERS

**Slip Joint Handle for Greater Range.**

Two-position, slip-joint handle produces the range of three separate conventional filter wrenches. Overall range 2 1/4" to 4". Jaws are bent at a 20° angle to fit more applications. Sure grip teeth prevent slipping. Cushioned handles provide comfort.

**50750 Oil Filter Pliers.** Skin Packed. Shipping wt. 1 lb. 4 oz.



## 50950 TRUCK AND TRACTOR OIL FILTER PLIERS

**Slip-Joint Handle Offers a 3 5/8" to 6" Range.**

Large pliers fit most truck and tractor oil filters including: Case, Caterpillar, Cummins, Detroit Diesel, John Deere, Mack and other applications. Two-position, slip-joint handle produces a big range. Overall range 3 5/8" to 6". Sure grip teeth prevent slipping. Cushioned handles add comfort.

**50950 Truck And Tractor Oil Filter Wrench.** Skin-packed. Shipping wt. 1 lb. 11 oz.



## 53900 FILTER WRENCH

**Straight Handle Filter Wrench.**

1" stainless steel band with special "teeth" grips tightly. Vinyl-covered handle provides firm, comfortable grip.

**53900 Filter Wrench.** Range 3 1/2" to 3 7/8" (88.9 - 98.4mm).

Skin-packed. Shipping wt. 11 oz.

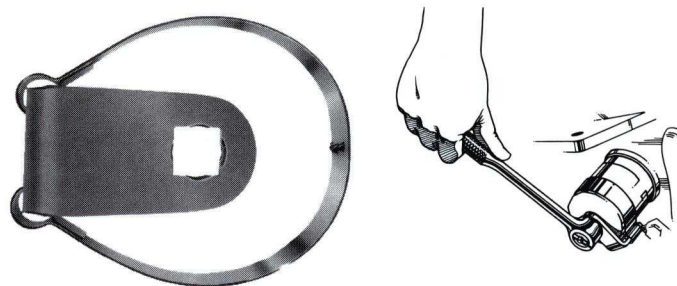


## 53400 UNIVERSAL 3" OIL FILTER WRENCH

**Remove and Install All 3" Filters.**

Works in the tightest spots. Stainless steel band, gripper teeth...won't slip. 3/8" square drive.

**53400 Universal 3" Oil Filter Wrench.** Skin-packed. Shipping wt. 6 oz.

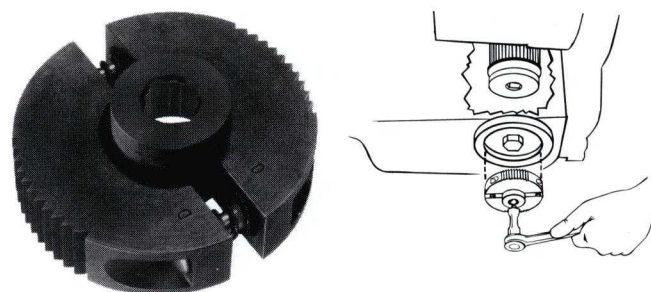


## 53000 OIL PAN PLUG WRENCH FOR GM

**Removes the 3 1/4" Drain Plug on GM Four Cylinder Cars Where the Oil Filter is in the Pan.**

Works where the original hex on the plug has been rounded off. Simply install wrench into recess in plug and turn counterclockwise to loosen. Reverse procedure to install. Works with 1/2" drive.

**53000 Oil Pan Plug Wrench for GM.** Skin-packed. Shipping wt. 1 lb. 2 oz.





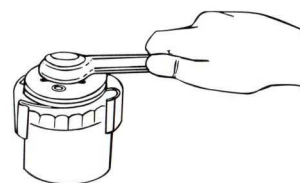
**63600 IMPORT CAR FILTER WRENCH**

Fits Filters from 2 1/2" to 3 1/8".

Removes all oil filters from 2 1/2" to 3 1/8" in diameter. This extra large range enables the 63600 wrench to fit most all import car filters plus the common 3" domestic car filters. Steel jaws grip filter without slipping. Works in tight spots from the front of the filter using 3/8" drive.

63600 Import Car Filter Wrench. Skin-packed. Shipping wt. 14 oz.

63630 Replacement Spring.



Patent Pending

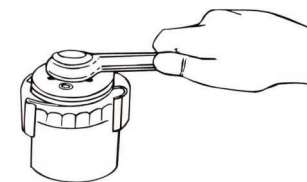
**63250 WIDE RANGE FILTER WRENCH**

Fits Filters from 3 1/8" to 3 7/8".

The large range enables this wrench to fit most standard size filters. Steel jaws grip filter without slipping. Works great in tight spots since it works from the top of the filter. Use with 3/8" drive.

63250 Wide Range Filter Wrench. Skin-packed. Shipping wt. 14 oz.

63630 Replacement Spring.



Patent Pending

**22000 22750 OIL FILTER WRENCHES**

22000 For 3 5/8" (92mm) Filters.

22750 For 3" (75mm) Filters.

Grips tightly with even side pressure to remove the tightest filters. Works where clearance is a problem. Use 3/4" wrench or socket.

22000 Universal Oil Filter Wrench. Boxed. Shipping wt. 14 oz.

NSN 5120-00-808-6324

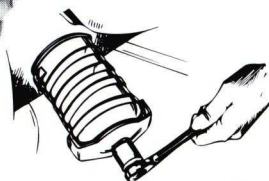
22750 Oil Filter Wrench. Boxed. Shipping wt. 10 oz.



22000



22750



Patent 3,269,226

**53100 ADJUSTABLE OIL FILTER WRENCH**

For Trucks and Tractors. Fits John Deere, Case, Caterpillar, Mack, Detroit Diesel and others.

Tough, *stainless steel* band with special "teeth" for extra gripping power...won't slip. Professional quality. 1/2" square drive. Range 4 3/8" - 5 5/8" (111.1 - 142.8mm).

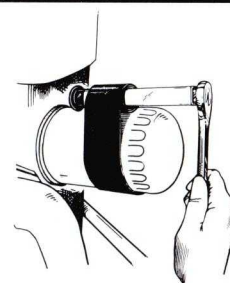
53100 Adjustable Oil Filter Wrench. Skin-packed. Shipping wt. 11 oz.

**63500 "BIG RANGE" FILTER WRENCH**

For Filters Up to 6" (152.4mm).

Adjusts quickly to fit any spin-on oil filter up to 6" diameter. Use with 1/2" drive or 3/4" wrench. Strong nylon belt.

63500 Big Range Filter Wrench. Skin-packed. Shipping wt. 10 oz.



Patent 5,207,131



## 53200 OIL FILTER WRENCH FOR JOHN DEERE

Heavy-Duty "Swivel Grip." Range 4 3/4" to 5 3/16".

This filter wrench fits most John Deere tractors. Also works on some Case, Case/IHC, Allis Chalmers tractors and other farm implement products. "Swivel Grip" handle makes it easy to turn in tight spots. Tough, stainless steel band with special "teeth" for extra gripping power won't slip. Handle is made of tubular steel for added strength.

53200 Oil Filter Wrench for John Deere. Skin-packed. Shipping wt. 12 oz.



## 54200 54300 "SWIVEL GRIP" TRUCK FILTER WRENCH

For Truck Size Filters.

"Swivel Grip" handle makes it easy to turn in tight spots! Tough, stainless steel bands with special "teeth" for extra gripping power...won't slip. Handles made of tubular steel for increased strength. 54200 works on Cummins and Detroit Diesel engines, and has a range of 4 5/16" to 4 3/4". 54300 works on Caterpillar engines, and has a range of 5 1/4" to 5 3/4".

54200 "Swivel Grip" Oil Filter Wrench for Cummins & Detroit Diesel Engines.

Range 4 5/16" - 4 3/4" (110 - 121mm). Skin-packed. Shipping wt. 12 oz.

54300 "Swivel Grip" Oil Filter Wrench for Caterpillar Engines.

Range 5 1/4" - 5 3/4" (133.5 - 146mm). Skin-packed. Shipping wt. 13 oz.

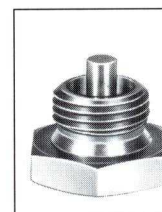
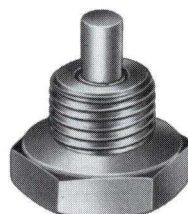


## 12750 MAGNETIC DRAIN PLUG

Protect Your Engine.

Remove metal particles from engine oil to help reduce engine wear. For most domestic engines. Replace regular 1/2" - 20 oil pan drain plugs.

12750 Standard Magnetic Drain Plug. Skin-packed. Shipping wt. 1 oz.



NEW PLUG BEFORE OIL CHANGE



REMOVED AT OIL CHANGE

## 76000 OIL FILTER CRUSHER

Converts Oil Filters into Scrap, and Oil into a Recyclable Product, in Seconds.

Operates on shop air from 90 to 150 psi. Crusher cycles in 25 to 30 seconds depending on air pressure and filter size. Easily mounts on the wall. Crushes filters up to 5" in diameter and up to 8" in height. Removes up to 95% of free flowing oil.

**Accessories:** Automatic Valve Retrofit Kit, Part #76520.

With this kit you can convert from manual to automatic operation. Allows operator to push start button and crush filter without holding the button down.

Filter Spacer, Part #76390. The filter spacer is used to reduce cycle time. Spacer fits over ram center post to shorten travel time of the ram.

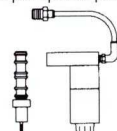
76000 Oil Filter Crusher. Boxed. Shipping wt. 69 lbs.

76390 Filter Spacer. Boxed. Shipping wt. 3 lbs. 9 oz.

76520 Automatic Valve Retrofit Kit. Bagged. Shipping wt. 5 oz.

| Input Air Pressure | Crushing Pressure |
|--------------------|-------------------|
| *150psi            | 16,950 lbs.       |
| 140 psi            | 15,820 lbs.       |
| 130 psi            | 14,690 lbs.       |
| 120 psi            | 13,560 lbs.       |
| 110 psi            | 12,430 lbs.       |
| 100 psi            | 11,300 lbs.       |
| 90 psi             | 10,170 lbs.       |

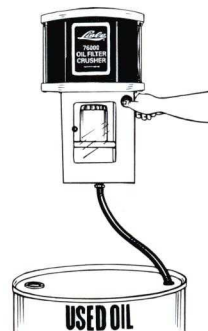
\*Warning: Do not exceed 150 psi input air pressure



76520 AUTOMATIC VALVE RETROFIT KIT



76390 FILTER SPACER



BEFORE AND AFTER



**26550 27200 27740 TORX® BIT SETS**

Sizes for All Automobile Applications,  
T-10 through T-60.

All torx bits are made of heat-treated alloy steel. 26550 - 9 pc. set includes T-10 through T-50. Our 27200 - 12 pc. set includes the same bits as our 9 pc. set, plus the T-47, T-55 and T-60 bits. 27740 3 pc. set includes T-40, T-45, T-50 sizes for servicing disc brakes fitting GM and Ford brake caliper Torx bolts. T-10 through T-30 are 1/4" drive. T-40 through T-55 are 3/8" drive. T-60 is 1/2" drive.

**26550 9 Piece Torx Bit Set.** Skin-packed. Shipping wt. 11 oz.

**27200 12 Piece Torx Bit Set.** Skin-packed. Shipping wt. 15 oz.

**27740 Brake Caliper Torx Bit Set.** Skin-packed. Shipping wt. 5 oz.

\*BOTH SETS IN CONVENIENT VINYL HOLDER  
ALL BITS ARE AVAILABLE INDIVIDUALLY SKIN-PACKED.



| 26550 Includes Torx Size | Lisle Part No. |
|--------------------------|----------------|
| T-10                     | 26560          |
| T-15                     | 26570          |
| T-20                     | 26580          |
| T-25                     | 26590          |
| T-27                     | 26600          |
| T-30                     | 26610          |
| T-40                     | 26620          |
| T-45                     | 26630          |
| T-50                     | 26640          |

| 27200 Includes Torx Size | Lisle Part No. |
|--------------------------|----------------|
| T-10                     | 26560          |
| T-15                     | 26570          |
| T-20                     | 26580          |
| T-25                     | 26590          |
| T-27                     | 26600          |
| T-30                     | 26610          |
| T-40                     | 26620          |
| T-45                     | 26630          |
| T-47                     | 26500          |
| T-50                     | 26640          |
| T-55                     | 26650          |
| T-60                     | 26520          |

| 27740 Includes Torx Size | Lisle Part No. |
|--------------------------|----------------|
| T-40                     | 26620          |
| T-45                     | 26630          |
| T-50                     | 26640          |

**37600 SUPER TORX® SET**

20% Stronger than One-Piece Torx Bits.

This set includes nine of the most popular Torx sizes for automotive applications. The six smaller bits are 1/4" drive, and the three larger bits are 3/8" drive. The set includes T-10, T-15, T-20, T-25, T-27, T-30, T-40, T-45 and T-50 in a convenient holder. The T-47, T-55 and T-60 bits are available individually.

**37600 Super Torx Set.** Skin-packed. Shipping wt. 12 oz.



| Torx Size | Drive Size | Part No. |
|-----------|------------|----------|
| T-10      | 1/4"       | 37610    |
| T-15      | 1/4"       | 37620    |
| T-20      | 1/4"       | 37630    |
| T-25      | 1/4"       | 37640    |
| T-27      | 1/4"       | 37650    |
| T-30      | 1/4"       | 37660    |
| T-40      | 3/8"       | 37670    |
| T-45      | 3/8"       | 37680    |
| T-47      | 3/8"       | 37690    |
| T-50      | 3/8"       | 37700    |
| T-55      | 3/8"       | 37710    |
| T-60      | 1/2"       | 37720    |

**37200 SHORT TORX® SET**

Shorter Bit Length for Tight Spaces.

Reach hard-to-get Torx bolts and screws with these shorter bits. Bits have a hex head so you can turn from the side; or turn from the top with a socket. These special bits are stronger than conventional one-piece Torx bits. Six sizes included in holder: T-25, T-30, T-40, T-45, T-50 and T-55.

**37200 Short Torx Set.** Skin-packed. Shipping wt. 6 oz.



| Torx Size | Hex Head | Part No. |
|-----------|----------|----------|
| T-25      | 12"      | 37210    |
| T-30      | 1/2"     | 37260    |
| T-40      | 5/8"     | 37310    |
| T-45      | 5/8"     | 37360    |
| T-50      | 5/8"     | 37410    |
| T-55      | 3/4"     | 37460    |

Patent 5,555,781

**26000 TAMPER-RESISTANT TORX® BIT SET**

Seven 1/4" Hex Insert Bits with 1/4" Drive Bit Holder. T-10 Through T-40.

Fits tamper-resistant Torx fasteners found on radio mountings, exterior mirrors, carburetors and other applications.

**26000 Tamper-Resistant Torx Bit Set.** Skin-packed. Shipping wt. 3 oz.



| Lisle Part No. | Fits Torx Size |
|----------------|----------------|
| 26010          | T-10           |
| 26020          | T-15           |
| 26030          | T-20           |
| 26040          | T-25           |
| 26050          | T-27           |
| 26060          | T-30           |
| 26070          | T-40           |
| 26080          | Bit Holder     |

SET INCLUDES CONVENIENT VINYL HOLDER.  
ALL BITS ARE AVAILABLE INDIVIDUALLY SKIN-PACKED.

**28350 TORX® BIT & SOCKET IDENTIFIER**

Helps Select the Right Torx Bit or Socket.

A complete set of Torx gauges will correctly identify the exact size of a Torx nut, bolt or screw. Set identifies Torx bit sizes T-10 through T-60, Torx socket sizes E-6 through E-16, and tamper-resistant Torx bit sizes T-10 through T-60.

**28350 Torx Identifiers.** Shipping wt. 1 oz.





## 26750 TORX® SOCKET SET

### For External Torx Bolts.

Seven sizes E-6 thru E-16. The three smaller sizes are 1/4" drive; the four larger sizes are 3/8" drive. Made of heat-treated alloy steel. Sockets are kept in a convenient vinyl holder. E-18 Torx Socket sold individually. Fits Ford under body cross members, rear wheel brakes on Thunderbirds and Cougars, and dual wheel Ford trucks. Use with 1/2" drive.

**26750 Torx Socket Set.** Skin-packed. Shipping wt. 10 oz.

**26860 E-18 Torx Socket.** Skin-packed. Shipping wt. 3 oz.



26860  
E-18\*  
TORX SOCKET



| Lisle Part No. | Fits Torx Size | Most common Bolt (screw) Size |
|----------------|----------------|-------------------------------|
| 26780          | E6             | #8                            |
| 26790          | E7             | #10                           |
| 26800          | E8             | #12 and 1/4"                  |
| 26820          | E10            | 5/16"                         |
| 26830          | E12            | 3/8"                          |
| 26840          | E14            | 7/16"                         |
| 26850          | E16            | 1/2"                          |
| *26860         | E18            | 9/16"                         |

\*Note: 26860 not sold in set.

SET INCLUDES CONVENIENT VINYL HOLDER.  
ALL SOCKETS ARE AVAILABLE INDIVIDUALLY SKIN-PACKED.

## 14200 HEADLIGHT TRIM SCREWDRIVER

### For Torx® T-15 Screws.

Special tool removes and installs Torx T-15 screws on GM headlight trim and other applications.

**14200 Headlight Trim Screwdriver.** Skin-packed. Shipping wt. 2 oz.

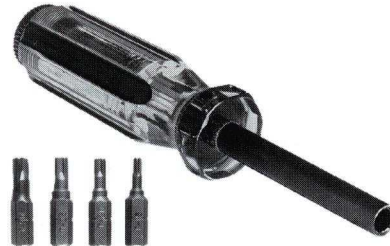


## 14750 MAGNETIC TORX® SCREWDRIVER SET

### Bits Conveniently Store in Handle.

Bits held by a strong magnet. Includes four popular 1/4" hex insert Torx bits: T-15, T-20, T-25, T-30.

**14750 Magnetic Torx Screwdriver Set.** Skin-packed. Shipping wt. 4 oz.



| 14750 Replacement Bits | Lisle Part No. | Bit  |
|------------------------|----------------|------|
|                        | 14790          | T-15 |
|                        | 14800          | T-20 |
|                        | 14810          | T-25 |
|                        | 14820          | T-30 |

ALL BITS ARE AVAILABLE INDIVIDUALLY SKIN-PACKED.

## 14790 - 14820 TORX® INSERT BITS

### Fits All 1/4" Hex Drive.

Available in four popular Torx sizes: T-15, T-20, T-25 and T-30. Made of heat-treated alloy steel. Can be used with Lisle 14750 Magnetic Torx Screwdriver. All bits are individually skin-packed.



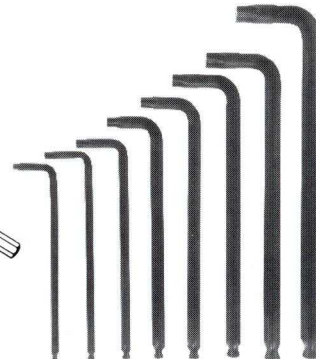
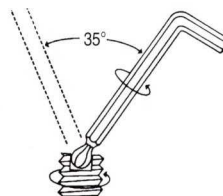
| Lisle Torx Insert Bits | No.   | Size |
|------------------------|-------|------|
|                        | 14790 | T-15 |
|                        | 14800 | T-20 |
|                        | 14810 | T-25 |
|                        | 14820 | T-30 |

## 34100 "BALL" TORX® WRENCH SET

### For Hard-to-Reach Torx Fastener Applications.

Set includes eight Torx sizes: T-15, T-20, T-25, T-27, T-30, T-40, T-45 and T-50 on our L-shaped speed wrench. Wrenches can be inserted in a Torx fastener up to a 17 1/2 degree angle without binding. Use the standard end of the wrench for breaking the fastener loose, and then quickly remove fastener with the ball end. Also available individually.

**34100 "Ball" Torx Wrench Set.** Clam Shell Package. Shipping wt. 1 lb.



| Individual Sizes:        |
|--------------------------|
| 34190 - T-15 "Ball" Torx |
| 34200 - T-20 "Ball" Torx |
| 34210 - T-25 "Ball" Torx |
| 34220 - T-27 "Ball" Torx |
| 34230 - T-30 "Ball" Torx |
| 34240 - T-40 "Ball" Torx |
| 34250 - T-45 "Ball" Torx |
| 34260 - T-50 "Ball" Torx |



## 42000 42020 42040 HEX / TORX® KEY SETS

Keys are Heat Treated Alloy Steel.

42000 Folding 9 Key Hex Set. Folded length is 3 1/2".

42020 Folding Metric 7 Key Hex Set. Folded length is 3 3/4".

42040 Folding Torx 7 Key Hex Set. Folded length is 4 1/4".

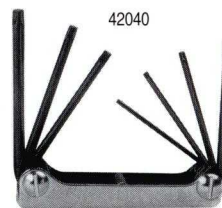
42000 Folding 9 Key Hex Set. Skin-packed. Shipping wt. 5 oz.

42020 Folding Metric 7 Key Hex Set. Skin-packed. Shipping wt. 5 oz.

42040 Folding Torx 7 Key Hex Set. Skin-packed. Shipping wt. 8 oz.



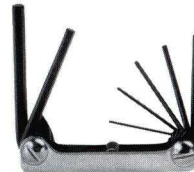
42040 Fits  
Torx Key  
Sizes:  
T-10  
T-15  
T-20  
T-25  
T-27  
T-30  
T-40



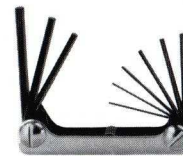
42040

42000  
Hex Sizes:  
.050"  
1/16"  
5/64"  
3/32"  
7/64"  
1/8"  
9/64"  
5/32"  
3/16"

42020  
Hex Sizes:  
1.5mm  
2mm  
2.5mm  
3mm  
4mm  
5mm  
6mm



42020



42000

## 42150 42300 HEX KEY SETS

Comes in Handy Storage Case.

42150 Standard Set includes 12 heat-treated alloy steel hex keys: .050, 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16". 42300 Metric Set includes 9 heat-treated alloy hex keys: 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm. Also available individually.

42150 Standard Hex Key Set. Skin-packed. Shipping wt. 10 oz.

42300 Metric Hex Key Set. Skin-packed. Shipping wt. 8 oz.

42150  
Lisle Wrench  
Part No. Size  
42160 .05  
42170 1/16"  
42180 5/64"  
42190 3/32"  
42200 7/64"  
42210 1/8"  
42220 9/64"  
42230 5/32"  
42240 3/16"  
42250 7/32"  
42260 1/4"  
42270 5/16"



42150

42300  
Lisle Wrench  
Part No. Size  
42310 1.5mm  
42320 2mm  
42330 2.5mm  
42340 3mm  
42350 4mm  
42360 5mm  
42370 6mm  
42380 8mm  
42390 10mm



42300

## 42500 42650 LONG ARM HEX KEY SETS

Comes in Handy Storage Case.

Allows for longer reach for deep socket Allen-type screws. Also increases torque. Standard set includes twelve sizes. Metric set includes nine sizes. Heat-treated alloy steel. Also available individually.

42500 Long Arm Hex Key Set - Standard. 12 Sizes. Skin-packed.

Shipping wt. 9 oz.

42650 Long Arm Hex Key Set - Metric. 9 sizes. Skin-packed.

Shipping wt. 12 oz.

42500  
Lisle Wrench  
Part# Size  
42520 5/16"  
42530 1/4"  
42540 7/32"  
42550 3/16"  
42560 5/32"  
42570 9/64"  
42580 1/8"  
42590 7/64"  
42600 3/32"  
42610 5/64"  
42620 1/16"  
42630 .05"



42500



42650

42650  
Lisle Wrench  
Part# Size  
42660 10mm  
42670 8mm  
42680 6mm  
42690 5mm  
42700 4mm  
42710 3mm  
42720 2.5mm  
42730 2mm  
42740 1.5mm

## 42750 43070 SPEED HEX WRENCH SETS

For Hard-to-Reach, Hard-to-See Hex Socket Screws.

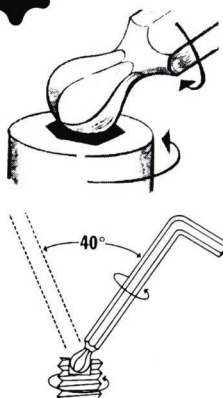
Two handy sets of quality L-shaped Speed Hex Wrenches. Wrenches can be inserted in a socket screw up to 20 degrees without binding. Also available individually.

42750 Metric Speed Hex Wrench Set.

Set of seven wrenches in heavy vinyl pouch. Shipping wt. 7 oz.

43070 Speed Hex Wrench Set. Set of seven wrenches in heavy vinyl pouch.

Shipping wt. 4 oz.



42750 Sizes:  
42770 - 2mm  
42780 - 2.5mm  
42790 - 3mm  
42800 - 4mm  
42810 - 5mm  
42820 - 6mm  
42830 - 8mm

43070 Sizes:  
43130 - 5/64"  
43140 - 3/32"  
43150 - 7/64"  
43160 - 1/8"  
43170 - 9/64"  
43180 - 5/32"  
43190 - 3/16"



## 13600 33850 HEX BIT SETS

Seven Piece Sets. 3/8" Square Drive.

High strength, heat-treated alloy steel bits are securely broached into chrome plated sockets. No set screws to tighten! Bit sets store in a convenient vinyl storage holder.

**13600 Hex Bit Set.** Skin-packed. Shipping wt. 10 oz.

**33850 Metric Hex Bit Set.** Skin-packed. Shipping wt. 9 oz.

ALL BITS ARE AVAILABLE INDIVIDUALLY SKIN-PACKED.



| 33850 Individual Sizes: |      |
|-------------------------|------|
| 33860                   | 3mm  |
| 33870                   | 4mm  |
| 33880                   | 5mm  |
| 33890                   | 6mm  |
| 33900                   | 7mm  |
| 33910                   | 8mm  |
| 33920                   | 10mm |

| 13600 Individual Sizes: |       |
|-------------------------|-------|
| 13610                   | 1/8"  |
| 13620                   | 5/32" |
| 13630                   | 3/16" |
| 13640                   | 7/32" |
| 13650                   | 1/4"  |
| 13660                   | 5/16" |
| 13670                   | 3/8"  |

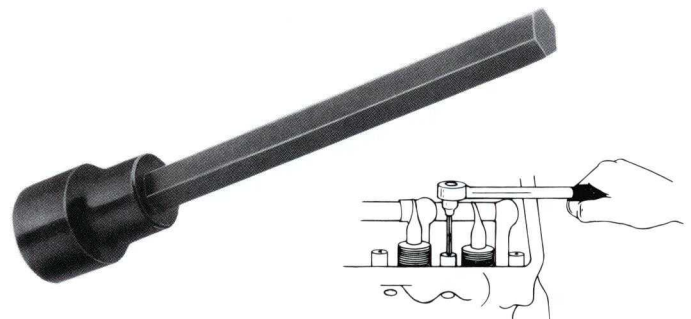


## 12850 10mm HEX BIT FOR HEAD BOLTS

Extra Long to Fit Recessed Head Bolts on Some Import Cars.

The 5 3/4" length allows easy access to recessed head bolts. The 10mm hex fits some import cars including: Audi 1000, Geo 1.9L, Nissan Maxima, Pulsar and Sentra, Porsche 911 and 912, Toyota Celica, Corolla and Supra, Volkswagen Dasher, Rabbit and Scirocco. Comes with 1/2" drive for use with a torque wrench.

**12850 10mm Hex Bit for Head Bolts.** Skin-packed. Shipping wt. 6 oz.



## 25400 MAGNETIC SCREWDRIVER SET

Bits Conveniently Store in Handle.

Bits held by strong magnet. 25400 includes #1 & #2 Phillips, 3/16" & 9/32" slotted 1/4" hex insert bits.

**25400 Magnetic Screwdriver Set.** Skin-packed. Shipping wt. 4 oz.



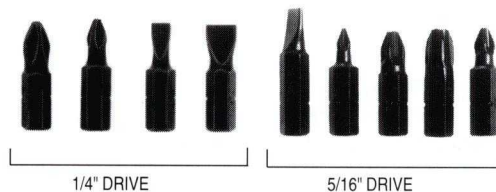
### 25400 Replacement Bits

| Part No. | Bit           |
|----------|---------------|
| 25410    | #1 Phillips   |
| 25420    | #2 Phillips   |
| 25430    | 3/16" Slotted |
| 25440    | 9/32" Slotted |

## 25410 - 30190 INSERT BITS

For Both 1/4" and 5/16" Hex Drive.

The 1/4" drive sizes available are: #1 Phillips, #2 Phillips, 3/16" straight slot, and 9/32" straight slot. Made of heat-treated alloy steel. All five 5/16" drive bits are impact quality. Sizes include: #1 Phillips, #2 Phillips, #3 Phillips, #4 Phillips and 3/8" straight slot. All bits are individually skin-packed.



### 1/4" Drive Insert Bits

| Part No. | Bit                     |
|----------|-------------------------|
| 25410    | #1 Phillips Insert Bit  |
| 25420    | #2 Phillips Insert Bit  |
| 25430    | 3/16" Straight Slot Bit |
| 25440    | 9/32" Straight Slot Bit |

### 5/16" Drive Insert Bits

| Part No. | Bit                    |
|----------|------------------------|
| 29630    | #1 Phillips Insert Bit |
| 30180    | #2 Phillips Insert Bit |
| 29550    | #3 Phillips Insert Bit |
| 30190    | #4 Phillips Insert Bit |
| 30170    | 3/8" Straight Slot     |

## 44900 LOCK RING PLIERS

For Removing and Installing All Types of Lock Rings.

Spreads lock rings commonly found on transmissions, master cylinders, brakes and other applications. Specially designed jaws are knurled on the end to prevent slippage.

**44900 Lock Ring Pliers.** Skin-packed. Shipping wt. 6 oz.





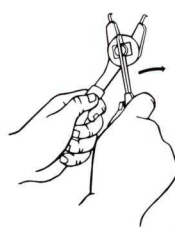
## 49200 HEAVY DUTY INTERNAL EXTERNAL SNAP RING PLIERS

Reversible Action for Internal and External Applications.

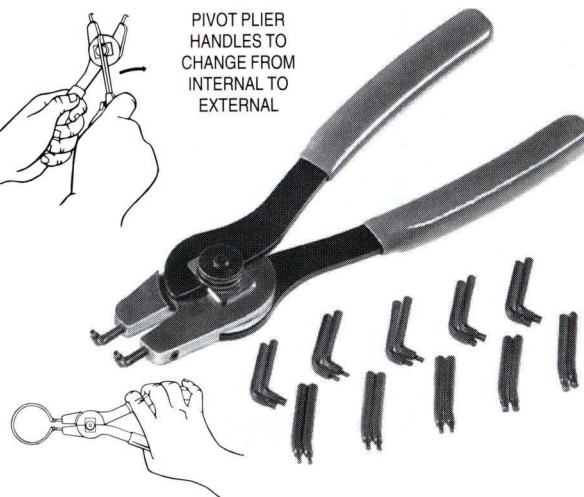
The heavy duty plier construction and larger tips are designed for larger snap rings. The tool quickly converts from internal to external use by pivoting the handles. Tough tool easily compresses internal rings and expands external rings. Conical tip ends prevent the snap ring from slipping off the tips. Ten tip sets in a handy plastic pouch are included to fit a wide range of snap ring sizes. Tips are easily interchanged by turning a set screw.

49200 Heavy Duty Snap Ring Pliers. Skin-packed. Shipping wt. 1 oz.

49460 Replacement Tips.



PIVOT PLIER HANDLES TO CHANGE FROM INTERNAL TO EXTERNAL



49460 Tip Set Includes Two Each of the Following Sizes:

| Diameter | Angle |
|----------|-------|
| .060"    | 75°   |
| .060"    | 15°   |
| .075"    | 75°   |
| .075"    | 15°   |
| .090"    | 75°   |
| .090"    | 15°   |
| .108"    | 75°   |
| .108"    | 15°   |
| .125"    | 75°   |
| .125"    | 15°   |

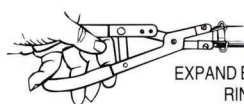
Patent 5,515,587

## 46000 COMBINATION INTERNAL EXTERNAL SNAP RING PLIERS

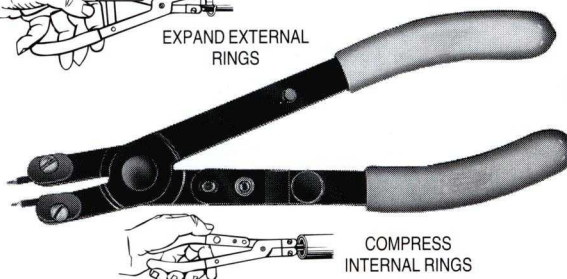
A handy combination tool for internal and external snap rings. Compresses internal rings in one position. Move the quick-change reversing lever to expand external rings. Comes with four sets of tips in a plastic box.

46000 Snap Ring Pliers. Skin-packed. Shipping wt. 7 oz.

46250 Replacement Tip Set. Shipping wt. 1 oz.



EXPAND EXTERNAL RINGS



COMPRESS INTERNAL RINGS

EASY QUICK CHANGE REVERSING LEVER



46250 Replacement Tip Set Includes:  
.045" straight tips  
.060" straight tips  
.045" 45 degree tips  
.035" 90 degree tips

Patent 3,681,840

## 64650 IGNITION MODULE WRENCH FOR FORD

For 7/32" hex retaining bolts on Ford Ignition Module. May be used with 1/2" wrench.

64650 Ignition Modulator Wrench for Ford. Skin-packed. Shipping wt. 2 oz.



## 64250 RIGHT ANGLE RATCHETING SCREWDRIVER

Use where a screwdriver won't fit. Makes it easy to remove and install molding around fender wells and other tight places. Place handle over the bit and turn. Reverse handle on bit to tighten. Can also be used with 1/4" round shaft screwdriver. Ratcheting action with infinite settings. Includes straight slot and #2 Phillips bit assemblies.

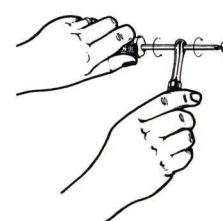
64250 Right Angle Ratcheting Screwdriver. Skin-packed. Shipping wt. 7 oz.



64260 HANDLE



64300 SLOT BIT ASSEMBLY



64330 PHILLIPS BIT ASSEMBLY

## 39800 SCREW STARTER

For Phillips and Straight Slot Screws.

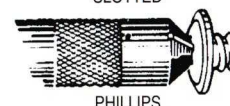
Start straight-slot or Phillips head screws easily in hard-to-reach places.

39800 5 1/2" Combination Phillips and Straight Slot Screw Starter.

Skin-packed. Shipping wt. 1 oz.



SLOTTED



PHILLIPS

Patent 3,033,254



## 29000 29200 30000 30200

### HAND IMPACT TOOLS

Loosens Rusted, Frozen Nuts, Bolts and Screws.

Unique design delivers over 200 ft. of "Shock Torque." Can be reversed to tighten. Can also be used with impact sockets!

**29000 Hand Impact Tool.** 3/8" sq. drive in vinyl pouch. Shipping wt. 1 lbs. 9 oz.

**29200 Hand Impact Tool Set.** 3/8" sq. drive with 3/8" drive bit holder; #1, #2, #3, #4 Phillips, and 3/8" straight slot bits. Shipping wt. 2 lbs. 8 oz. NSN 5120-01-072-2956

**30000 Hand Impact Tool.** 1/2" sq. drive in vinyl pouch. Shipping wt. 1 lbs. 9 oz.

**30200 Hand Impact Tool Set.** 1/2" sq. drive with 1/2" drive bit holder; #1, #2, #3, #4 Phillips, and 3/8" straight slot bits. Shipping wt. 2 lbs. 8 oz. NSN 5120-01-072-2956



#### 29200 IMPACT SET INCLUDES:

|       |                        |
|-------|------------------------|
| 29000 | 3/8" Impact Tool       |
| 29520 | 3/8" Bit Holder        |
| 29630 | #1 Phillips Bit        |
| 30180 | #2 Phillips Bit        |
| 29550 | #3 Phillips Bit        |
| 30190 | #4 Phillips Bit        |
| 30170 | 3/8" Straight Slot Bit |

#### 30200 IMPACT SET INCLUDES:

|       |                        |
|-------|------------------------|
| 30000 | 1/2" Impact Tool       |
| 30150 | 1/2" Bit Holder        |
| 29630 | #1 Phillips Bit        |
| 30180 | #2 Phillips Bit        |
| 29550 | #3 Phillips Bit        |
| 30190 | #4 Phillips Bit        |
| 30170 | 3/8" Straight Slot Bit |

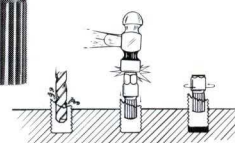
## 62900 SUPER OUT SET

A SUPER STRONG extractor set made of a special hardened, shock-resistant tool steel. Works on both left and right hand threads. Super Outs cut their way STRAIGHT into bolts, eliminating wedging or further tightening of frozen bolts and screws. Five extractor sizes extract 1/4" to 1/2" and larger bolts and screws.

**62900 Super Out Extractor Set.** Boxed and Skin-packed. Shipping wt. 5 oz.

ALL SUPER OUTS ARE AVAILABLE INDIVIDUALLY SKIN-PACKED.

| Lisle Part No. | For Bolt Size |
|----------------|---------------|
| 62560          | 1/4"          |
| 62570          | 5/16"         |
| 62730          | 3/8"          |
| 62580          | 7/16"         |
| 62590          | 1/2"          |



## 60750 12 POINT BIT SET

Triple Square (12 point) bits to fit 6, 8, 10 and 12mm sizes; all on 1/2" hex drives. Fits some head bolts, retaining bolts, disc brake calipers and other applications.

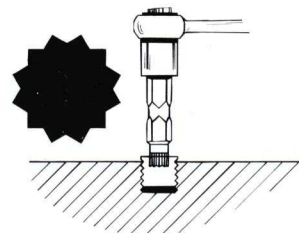
**60750 Triple Square Wrench Set, 6, 8, 10, 12mm.** Skin-packed. Shipping wt. 9 oz.

**60760 6mm Wrench.** Skin-packed.

**60770 8mm Wrench.** Skin-packed.

**60780 10mm Wrench.** Skin-packed.

**60790 12mm Wrench.** Skin-packed.



ALL BITS ARE INDIVIDUALLY SKIN-PACKED.

## 25250 25300 25350 FLARE NUT WRENCHES

Prevents Damage to Flare Nuts and Other Soft Metal Fittings.

25250 3/8" x 7/16" flare nut wrench.

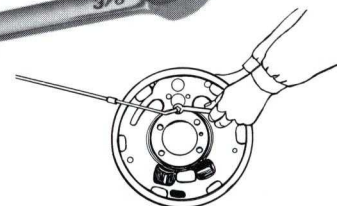
25300 1/2" x 9/16" flare nut wrench.

25350 5/8" x 11/16" flare nut wrench.

**25250 3/8" x 7/16" Flare Nut Wrench.** Skin-packed. Shipping wt. 2 oz.

**25300 1/2" x 9/16" Flare Nut Wrench.** Skin-packed. Shipping wt. 4 oz.

**25350 5/8" x 11/16" Flare Nut Wrench.** Skin-packed. Shipping wt. 5 oz.

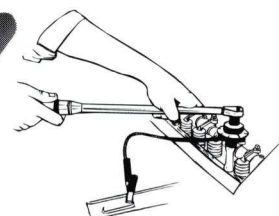
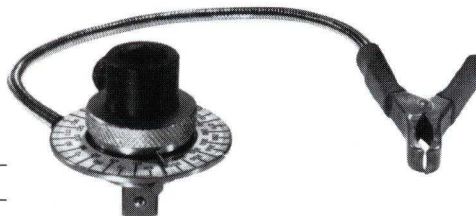


## 28100 TORQUE ANGLE METER

For All Torque-to-Yield Fastener Applications.

Commonly used for tightening head bolts and other bolts where a torque angle is required. Use with 1/2" drive.

**28100 Torque Angle Meter.** Skin-packed. Shipping wt. 12 oz.





**29800 ANTENNA NUT SOCKET SET****For Removing or Replacing Antennas.**

Three double-ended sockets fit most foreign and domestic antenna nut applications. Special prongs, on each end, seat in the antenna nut. Center snap-ring prevents wrench from slipping down on socket. Sockets are made of heat-treated alloy steel for strength. Use with 7/8" or 1 1/4" open-end wrench. Sockets are available individually.

**29800 Antenna Nut Socket Set.** Skin-packed. Shipping wt. 9 oz.

**29810 Antenna Nut Socket #1.** Mini-pouched. Shipping wt. 2 oz.

**29820 Antenna Nut Socket #2.** Mini-pouched. Shipping wt. 2 oz.

**29830 Antenna Nut Socket #3.** Mini-pouched. Shipping wt. 5 oz.



29830

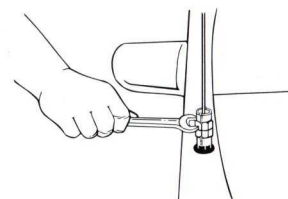


29820



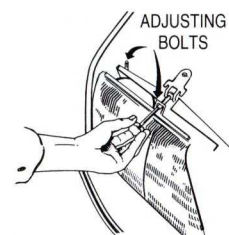
29810

Patent Pending

**14400 HEADLIGHT ADJUSTER FOR FORD**

Fits 4mm hex headlight adjusting bolts on late model Ford, Mercury and Lincoln cars and pickups with aerodynamic headlights.

**14400 Headlight Adjuster for Ford.** Skin-packed. Shipping wt. 2 oz.

**14540 HEADLIGHT ADJUSTING RATCHET FOR FORD****Works on Ford Aerodynamic Headlights with Rear Mounted Adjusters.**

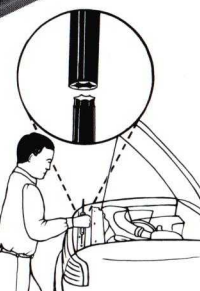
Tool is used to adjust aerodynamic headlights with rear mounted adjusters on newer Ford vehicles. These adjusters are not easily accessible and require this tool for adjusting. The extra long handle allows easy access to hard-to-reach spaces. Tool has a 4mm hex with a roller clutch for infinite settings.

**14540 Headlight Adjusting Ratchet for Ford.** Skin-packed. Shipping wt. 6 oz.

**12350 TORX® HEADLIGHT ADJUSTER FOR GM****Adjusts Headlights on Late Model GM Cars with Aerodynamic Headlights.**

The double ended headlight adjuster comes with both E5 and E8 Torx® sizes. Specially designed with extra long shafts to fit the recessed Torx adjustment screws found on late model GM cars with aerodynamic headlights. Also fits some GM cars with standard headlights.

**12350 Torx® Headlight Adjuster for GM.** Skin-packed. Shipping wt. 5 oz.

**63900 WINDOW HOLDER****Holds Door Glass While Working on Window Regulator.**

Works on all cars and trucks with a top door frame. Simply loop cable over door frame and attach suction cups to each side of glass. Window glass is then securely held above the door while work is performed.

**63900 Window Holder.** Clam Shell Package. Shipping wt. 4 oz.





## 47000 WINDSHIELD LOCKING STRIP TOOL

Two Double-Ended Tips to Fit Most All Applications.

Unique design allows tip to swivel 90 degrees in either direction to work where others won't. Just select the tip with opening that most closely fits locking strip, and then feed locking strip into eyelet.

47000 Windshield Locking Strip Tool. Skin-packed. Shipping wt. 6 oz.

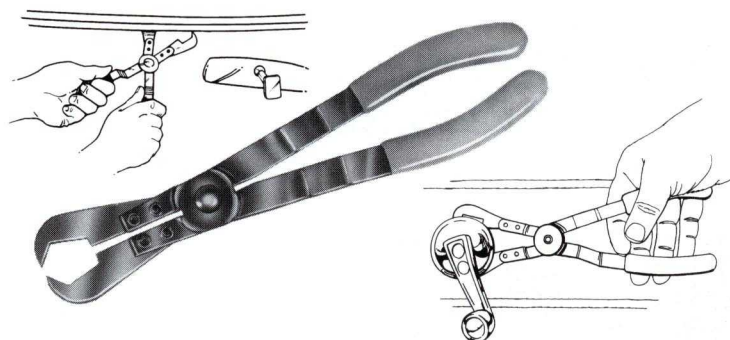


## 35200 WINDSHIELD MOLDING/DOOR HANDLE CLIP PLIERS

For removing most windshield molding clips and door handle clips. Releases clips to remove chrome molding on most windshields and rear glass. Offset handle permits easy access to molding clips. Slips under door handle without damage to panel material.

35200 Windshield Molding/Door Handle Clip Pliers.

Skin-packed. Shipping wt. 5 oz.



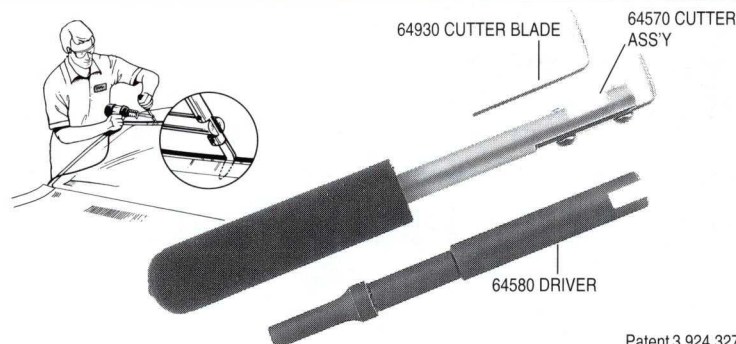
## 64500 WINDSHIELD REMOVER

Removes Windshields in Minutes.

Quickly cuts through all windshield adhesives, even the urethane seal on late model GM. Improved design includes replaceable cutter blade and foam covered grip. One extra cutter blade furnished with the tool. Use with air gun.

64500 Windshield Remover. Skin-packed. Shipping wt. 1 lb. 3 oz.

64930 Replacement Blade. Shipping wt. 1 oz.



Patent 3,924,327

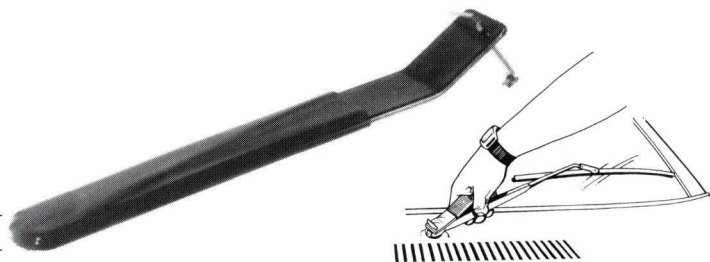
## 65750 WINDSHIELD WIPER ARM REMOVER

Makes Wiper Arm Removal & Replacement an Easy Job.

Easily removes wiper arms without damage to car finish.

65750 Windshield Wiper Arm Remover. Skin-packed. Shipping wt. 8 oz.

NSN 5120-00-419-5693



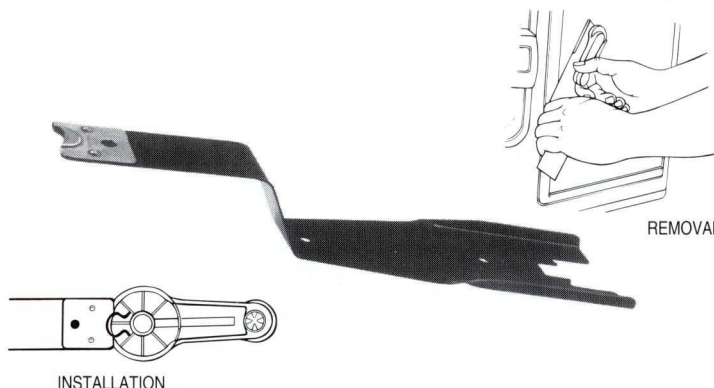
Patent 3,378,911

## 18600 WINDOW AND DOOR CLIP REMOVER/INSTALLER

Removes and **Installs** Door Handle and Window Crank Clips.

Works on GM, Ford and others using the common "C" type clip. Really fast and easy. Helps prevent damage to door panel upholstery. Opposite end firmly holds clip for easy installation.

18600 Window and Door Clip Remover/Installer. Skin-packed. Shipping wt. 5 oz.

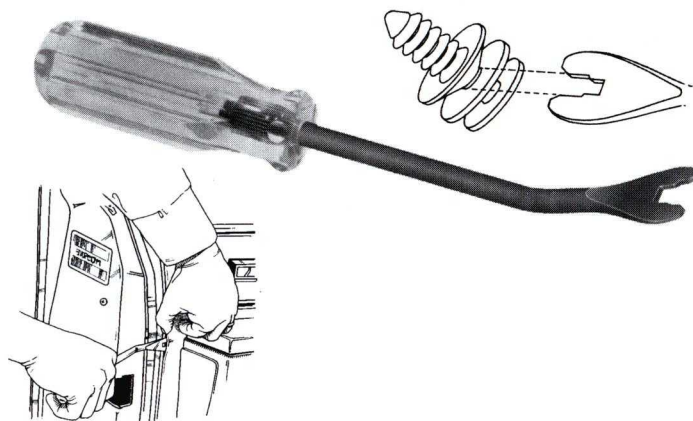




**35400 DOOR UPHOLSTERY REMOVER****For Plastic Fasteners.**

Place the tool under the edge of the door panel and insert into fastener as far as possible...then simply pry up. Rugged tool with a large comfortable handle.

**35400 Door Upholstery Remover.** Skin-packed. Shipping wt. 7 oz.

**65800 DOOR ADJUSTER****Adjusts Door Hinges on Most All Cars and Light Trucks.**

Will adjust doors with either bolted or welded hinges. Simply slide pin end of tool into door latch and close door until tool engages door striker. Now raise or lower tool handle to align door. Comes with two-headed pin adapter for both large and small latches. Specially designed handle, for optimum leverage, makes adjustment fast and easy.

**65800 Door Adjuster.** Boxed. Shipping wt. 5 lb. 2 oz.

**65810 Pin.** Mini-Pouched.



Raise or lower handle to align door

**54000 BATTERY TERMINAL PULLER**

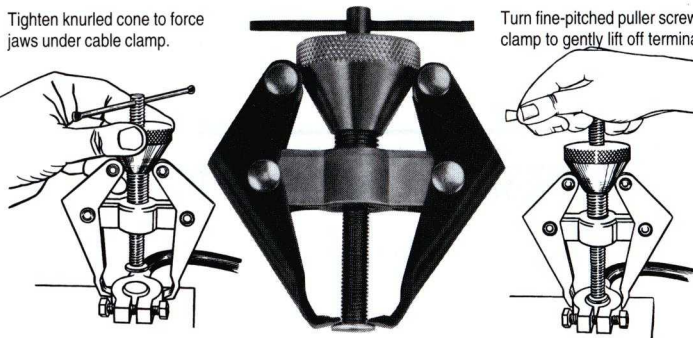
A handy tool that makes it easy to remove cable clamp without breaking or damaging battery post. Positive locking jaws get under clamp - no slipping.

**54000 Battery Terminal Puller.** Skin-packed. Shipping wt. 10 oz.

NSN 5120-00-944-4268

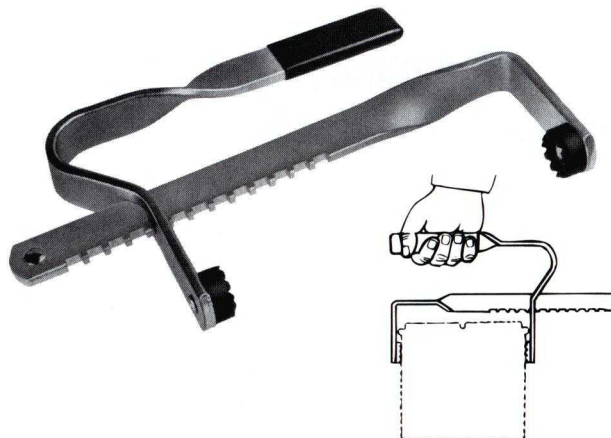
Tighten knurled cone to force jaws under cable clamp.

Turn fine-pitched puller screw clamp to gently lift off terminal.

**57350 UNIVERSAL BATTERY CARRIER****Heavy-Duty, Sure Grip.**

Works on any battery up to 9 1/2" wide including side terminal batteries. Heavy rubber pads provide a sure hold.

**57350 Universal Battery Carrier.** Skin-packed. Shipping wt. 2 lbs.





## 11120 BATTERY BRUSH

Cleans dirt and corrosion from battery terminals and cable clamps. The external brush cleans cable clamps and internal brush cleans terminal posts. Case is made of high impact plastic that will not weaken in cleaning solutions.

**11120 Battery Brush.** Skin-packed. Shipping wt. 2 oz.



## 11300 ADJUSTABLE BATTERY POST AND TERMINAL CLEANER

### Three Post Cleaning Settings.

Floating stainless steel blades fit all standard posts, positive and negative. Cleans terminal clamps with knurled, stainless steel coiled wire.

**11300 Battery Post and Terminal Cleaner.** Skin-packed. Shipping wt. 4 oz.

NSN 6140-00-831-3449



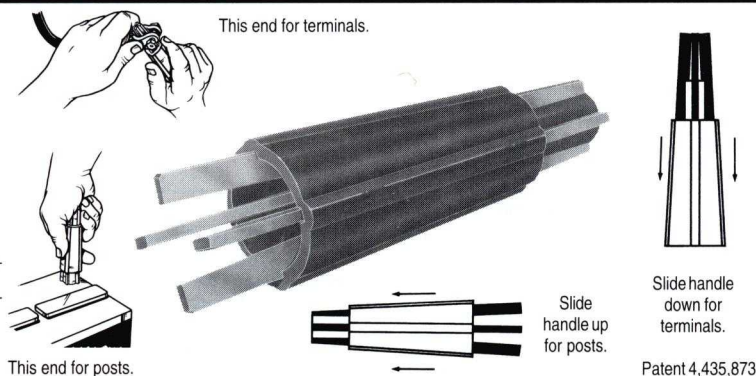
Patent 3,284,833

## 11900 ADJUSTABLE BATTERY POST AND TERMINAL TOOL

### Stainless Steel Blades.

Blade angle is permanently set at the corrected taper to assure positive contact between post and terminal. Slide tool body to change from posts to terminals.

**11900 Battery Post and Terminal Tool.** Skin-packed. Shipping wt. 5 oz.



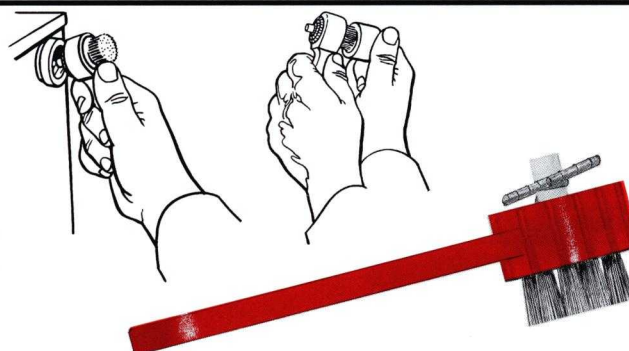
Patent 4,435,873

## 11400 SIDE TERMINAL BATTERY CLEANER

### A Special Tool for a Special Job.

"Coil Spring" cutters polish the battery contact while stainless steel brushes clean the cable terminals.

**11400 Side Terminal Battery Cleaner.** Skin-packed. Shipping wt. 1 oz.



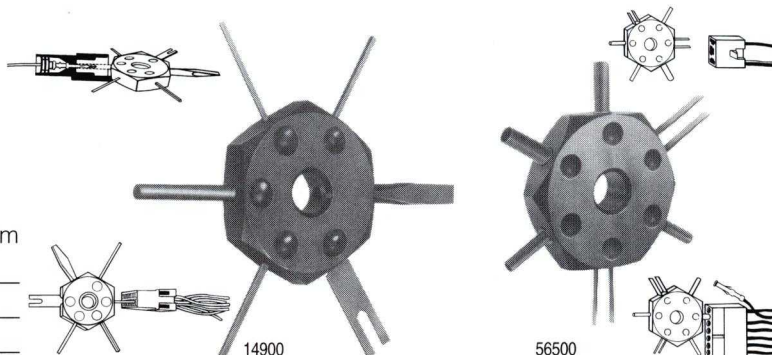
## 14900 56500 WIRE TERMINAL TOOLS

### Eliminate Damaged Wires and Terminals.

Lisle Wire Terminal Tools are designed to remove wires from terminals without damage to either. 56500 prongs depress the "barbs" on conventional terminals. 14900 is designed for Pack-Con and Weather-Pack terminals on GM C3 Systems. Tool can also retrieve trouble codes from engine computer on late model GM vehicles.

**14900 Wire Terminal Tool.** Skin-packed. Shipping wt. 2 oz.

**56500 Wire Terminal Tool.** Skin-packed. Shipping wt. 2 oz.





**26250 LOW CIRCUIT TESTER**

Quick check both AC and DC current up to 28 volts with power on. Helps locate shorts or breaks in wiring. Complete with insulated grounding clip.

26250 Low Circuit Tester. Skin-packed. Shipping wt. 3 oz.

26270 Replacement Bulb. Shipping wt. 1 oz.

**25600 "HANDY HOOKER" CIRCUIT TESTER**

Hooded Probe Protects Your Fingers and Automatically Centers the Wire.

Small size allows easy use even in the tightest places. Quickly test low voltage up to 28 volts. Alligator clip grounds tester.

25600 Circuit Tester. Skin-packed. Shipping wt. 3 oz.

28440 Replacement Bulb. Shipping wt. 1 oz.



Patent 4,716,365

**28400 HEAVY DUTY CIRCUIT TESTER**

Quickly Tests Low Voltage up to 28 Volts.

A heavy duty circuit tester for lifetime use. The probe, handle, cord and clamp are reinforced for extra durability. Comes with a strain relief spring on the cord.

28400 Heavy Duty Circuit Tester. Skin-packed. Shipping wt. 6 oz.

26270 Replacement Bulb. Shipping wt. 1 oz.

**29500 HIGH-LOW CIRCUIT TESTER**

Checks Both Low Voltage and Spark Plug Wires.

The low-side checks AC and DC current up to 28 volts with power on. The high-side checks spark plug wires without piercing. Complete with insulated grounding clip.

29500 High-Low Circuit Tester. Skin-packed. Shipping wt. 3 oz.

26970 High End Bulb. Shipping wt. 1 oz.

26270 Low End Bulb. Shipping wt. 1 oz.



CHECKING SPARK PLUG WIRES

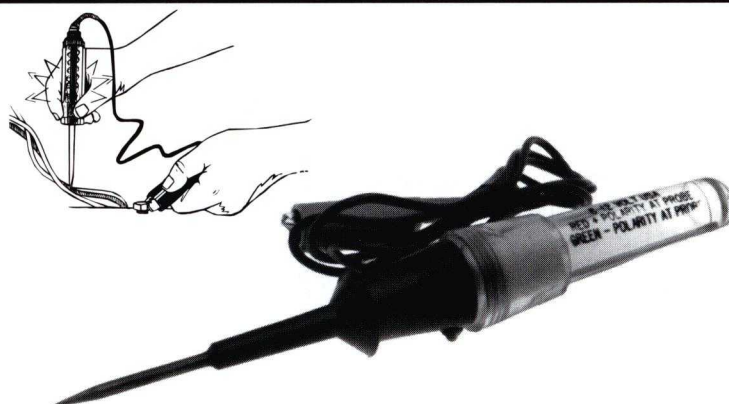
**27450 COMPUTER SAFE CIRCUIT TESTER & POLARITY INDICATOR**

Works Without Damaging Sensitive Electronic Components.

Safe for use on 12 volt automotive computer circuits. Tool draws less than 21 m.a. at 12 volts DC with an operating range of 3 - 28 volts. Red glow indicates positive polarity and green glow indicates negative polarity.

27450 Computer Safe Circuit Tester and Polarity Indicator. Skin-packed.

Shipping wt. 4 oz.





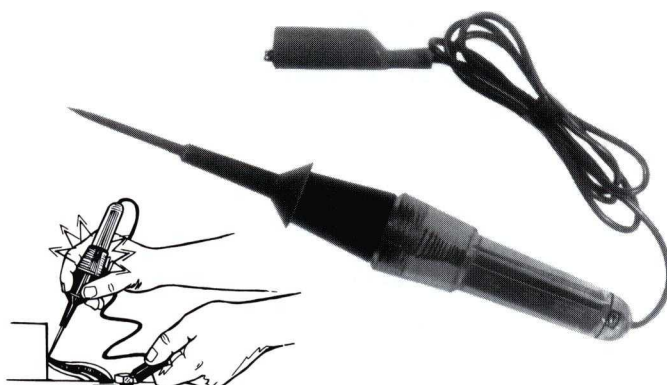
## 26200 CONTINUITY TESTER

Checks continuity on wires, fuses, switches and other electrical systems. Just clip lead to one end of wire in question. Probe other end of wire. If bulb lights up, there is continuity. If bulb fails to light the circuit is open. Not to be used on live circuits or computer sensor feed circuits.

**26200 Continuity Tester.** Skin-packed. Shipping wt. 3 oz.

**26210 Replacement Bulb.** Shipping wt. 1 oz.

Uses 1 AA Battery Not Included



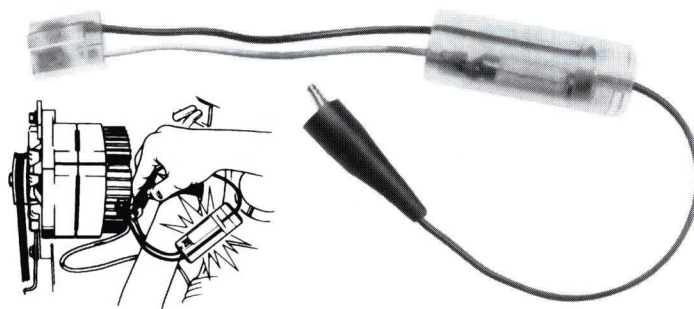
## 26400 ALTERNATOR TESTER

For Quick, Accurate Testing of Delco 10 and 12 SI Alternators.

Test BOTH alternator and regulator by plugging the connector into the alternator and attaching the alligator clip to the output terminal.

**26400 Alternator Tester.** Skin-packed. Shipping wt. 2 oz.

**26410 Replacement Bulb.** Shipping wt. 1 oz.



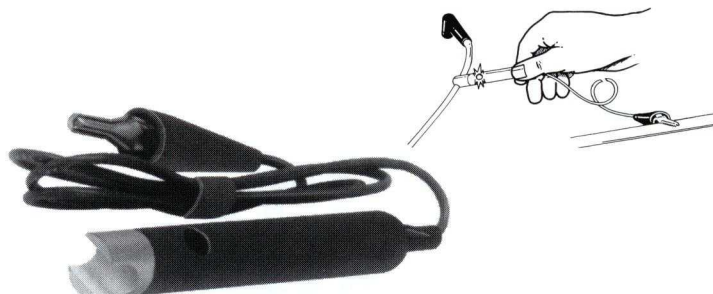
## 26900 SPARK PLUG WIRE TESTER

Quickly Locate Faulty Plug Wires.  
No Shock Hazard.

Now you can check spark plug wires without piercing the wires. Light flashes indicating sound wire.

**26900 Spark Plug Wire Tester.** Skin-packed. Shipping wt. 3 oz.

**26970 Replacement Bulb Assembly.** Shipping wt. 1 oz.

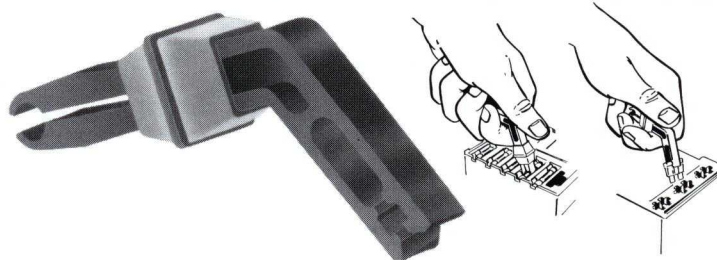


## 55200 FUSE PULLER

Makes Pulling Fuses Easy.

No more stuck or broken fuses. For both glass and blade type fuses.

**55200 Fuse Puller.** Skin-packed. Shipping wt. 1 oz.



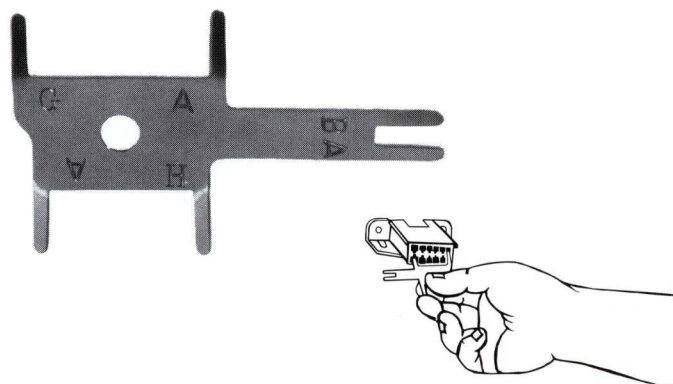
Patent 4,841,819

## 22700 CODE RETRIEVER FOR GM

Retrieves Trouble Codes from Late Model GM Vehicles.

Three tools in one. Tool retrieves codes from engine computer, rear wheel anti-lock brake computer and four wheel anti-lock brake computer. Key probes jump terminals on Assembly Line Data Link Connector (ALDL) to activate trouble codes. Refer to a repair manual for proper code interpretation.

**22700 Code Retriever for GM.** Skin-packed. Shipping wt. 1 oz.





## 67870 STANDARD/HIGH ENERGY SPARK PLUG GAUGE & GAPPER

Gauges and gaps all types of spark plugs from .020" to .100" (.50mm to 2.53mm).

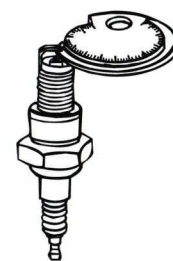
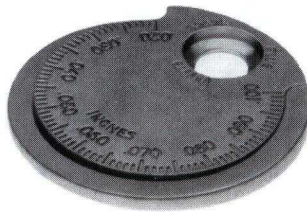
Tapered edge for gauging spark plugs. Specially designed hole with flange adjusts side wire of plug without pressuring center electrode.

67870 Standard/High Energy Spark Plug Gauge & Gapper. Skin-packed.

Shipping wt. 1 oz.



GAPPING



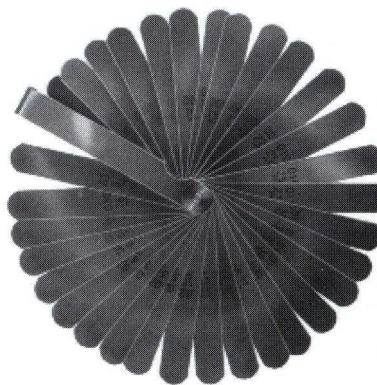
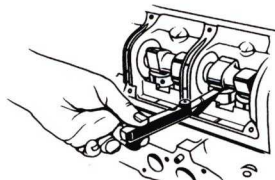
GAUGING

## 68100 DELUXE FEELER GAUGE

31 Blades. 1 Brass Blade .010".

Precision blades ensure accurate measurements. Blades from .0015" to .035" (.038 - .889mm) thickness are approximately 1/2" wide by 3 1/2" long.

68100 Deluxe Feeler Gauge. Skin-packed. Shipping wt. 6 oz.



Blade Sizes

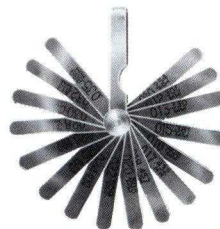
| Inches | mm   | Inches | mm   |
|--------|------|--------|------|
| .0015  | .038 | .016   | .406 |
| .002   | .051 | .017   | .432 |
| .0025  | .064 | .018   | .457 |
| .003   | .076 | .019   | .483 |
| .004   | .102 | .020   | .508 |
| .005   | .127 | .021   | .533 |
| .006   | .152 | .022   | .559 |
| .007   | .178 | .023   | .584 |
| .008   | .203 | .024   | .610 |
| .009   | .229 | .025   | .635 |
| .010   | .254 | .026   | .660 |
| .011   | .279 | .028   | .711 |
| .012   | .305 | .030   | .762 |
| .013   | .330 | .032   | .813 |
| .014   | .356 | .035   | .889 |
| .015   | .381 |        |      |

## 68000 MINI FEELER GAUGE

16 Steel Blades.

Precision blades ensure accurate measurements. Blades from .010" to .035" (.254 - .889mm) are approximately 1/4" wide by 1 3/4" long.

68000 Mini Feeler Gauge. Skin-packed. Shipping wt. 2 oz.



Blade Sizes

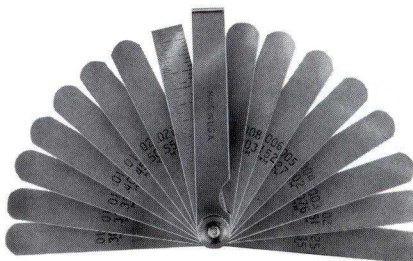
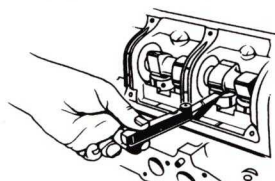
| Inches | mm   |
|--------|------|
| .010   | .254 |
| .012   | .305 |
| .013   | .330 |
| .015   | .381 |
| .016   | .406 |
| .017   | .432 |
| .018   | .457 |
| .020   | .508 |
| .022   | .559 |
| .024   | .610 |
| .025   | .635 |
| .026   | .660 |
| .028   | .711 |
| .030   | .762 |
| .032   | .813 |
| .035   | .889 |

## 67950 STANDARD FEELER GAUGE

15 Steel Blades. One 2" Steel Rule.

Precision blades ensure accurate measurements. Blades are approximately 1/2" wide by 3 1/2" long.

67950 Standard Feeler Gauge. Skin-packed. Shipping wt. 4 oz.



Blade Sizes

| Inches | mm   |
|--------|------|
| .002   | .051 |
| .003   | .076 |
| .004   | .102 |
| .005   | .127 |
| .006   | .152 |
| .008   | .203 |
| .011   | .279 |
| .012   | .305 |
| .013   | .330 |
| .014   | .356 |
| .016   | .406 |
| .018   | .457 |
| .020   | .508 |
| .022   | .559 |
| .025   | .635 |

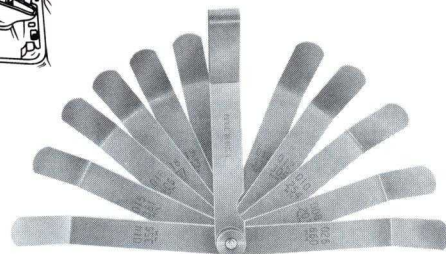


## 68050 VALVE TAPPET FEELER GAUGE

### 11 Offset Steel Blades.

Precision blades are offset at the proper angle for adjustment of valve tappets. Blades are approximately 1/2" wide by 4" long.

68050 Valve Tappet Feeler Gauge. Skin-packed. Shipping wt. 3 oz.



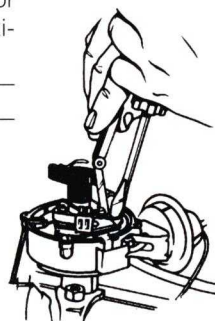
| Blade Sizes |      |
|-------------|------|
| Inches      | mm   |
| .008        | .203 |
| .010        | .254 |
| .012        | .305 |
| .013        | .330 |
| .014        | .356 |
| .015        | .381 |
| .016        | .406 |
| .018        | .457 |
| .019        | .483 |
| .020        | .508 |
| .026        | .660 |

## 68200 BRASS FEELER GAUGE

### 6 Brass Blades.

Precision blades are non-magnetic, for use in adjusting reluctor air gap on electronic ignition systems. Blades are approximately 1/2" wide by 3" long.

68200 Brass Feeler Gauge. Skin-packed. Shipping wt. 1 oz.



| Blade Sizes |      |
|-------------|------|
| Inches      | mm   |
| .006        | .152 |
| .008        | .203 |
| .010        | .254 |
| .012        | .305 |
| .014        | .356 |
| .016        | .406 |

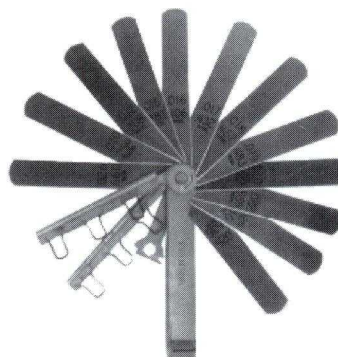
## 67850 SPARK PLUG GAPPER & FEELER GAUGE

### 6 Spark Plug Gap Wires, Electrode Bending Tool, and 12 Steel Blades.

Precision wires and blades for doing both spark plug and ignition system settings. Blades are approximately 1/2" wide by 3 1/2" long.

67850 Spark Plug Gapper & Feeler Gauge. Skin-packed. Shipping wt. 3 oz.

| Blades |      |
|--------|------|
| Inches | mm   |
| .010   | .254 |
| .012   | .305 |
| .015   | .381 |
| .016   | .406 |
| .017   | .432 |
| .018   | .457 |
| .019   | .483 |
| .020   | .508 |
| .022   | .559 |
| .024   | .610 |
| .025   | .635 |
| .026   | .660 |



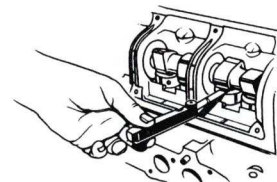
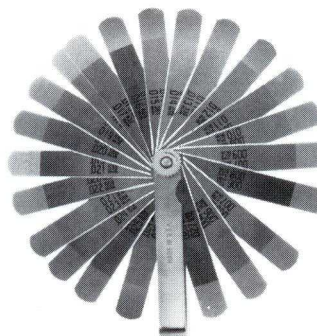
| Gap Wires |       |
|-----------|-------|
| Inches    | mm    |
| .025      | .635  |
| .030      | .762  |
| .034      | .864  |
| .035      | .889  |
| .040      | 1.016 |
| .045      | 1.143 |

## 68150 GO-NO-GO FEELER GAUGE

### 22 Steel Blades.

Precision stepped blades have a .002" step for accurate settings. Blades from .004" to .027" (.102 - .686mm) are approximately 1/2" wide by 3 1/4" long.

68150 Go-No-Go Feeler Gauge. Skin-packed. Shipping wt. 4 oz.



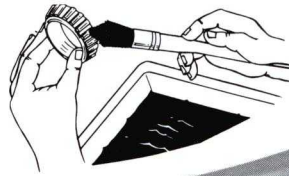
| Blade Sizes |      |      |      |        |      |      |      |
|-------------|------|------|------|--------|------|------|------|
| Inches      |      | mm   |      | Inches |      | mm   |      |
| Low         | High | Low  | High | Low    | High | Low  | High |
| .004        | .006 | .102 | .152 | .015   | .017 | .381 | .432 |
| .005        | .007 | .127 | .178 | .016   | .018 | .406 | .457 |
| .006        | .008 | .152 | .203 | .017   | .019 | .432 | .483 |
| .007        | .009 | .178 | .229 | .018   | .020 | .457 | .508 |
| .008        | .010 | .203 | .254 | .019   | .021 | .483 | .533 |
| .009        | .011 | .229 | .279 | .020   | .022 | .508 | .559 |
| .010        | .012 | .254 | .305 | .021   | .023 | .533 | .584 |
| .011        | .013 | .279 | .330 | .022   | .024 | .559 | .610 |
| .012        | .014 | .305 | .356 | .023   | .025 | .584 | .635 |
| .013        | .015 | .330 | .381 | .024   | .026 | .610 | .660 |
| .014        | .016 | .356 | .406 | .025   | .027 | .635 | .686 |



**14000 PARTS CLEANING BRUSH**

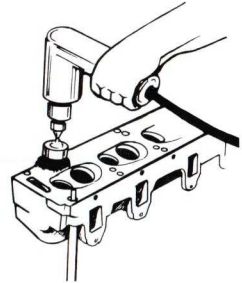
Removes dirt and grease from motors, machinery and metal parts. Polypropylene bristles hold up under repeated use in cleaning solvents.

14000 Parts Cleaning Brush. Skin-packed. Shipping wt. 2 oz.

**14020 2 1/2" WIRE CUP BRUSH**

Removes weld scale, rust, paint and corrosion from metal surfaces. Brush also gives an excellent surface for painting. Made with .014 carbon steel wire and designed for light duty use with an electric drill. Maximum safe free speed is 4500 RPMs.

14020 2 1/2" Wire Cup Brush. Skin-packed. Shipping wt. 5 oz.

**14040 14060 1" WIRE END BRUSHES**

For Light to Heavy Duty Work When Space is Limited.

Made with .020" industrial heat tempered wire. Use with portable electric and air tools. 20,000 RPM maximum safe free speed. 14040 knot end brush for heavy duty use. Excellent for baked on gaskets. 14060 crimped end brush for light to heavy work. Cleans dirt and carbon from metal surfaces.

14040 1" Knot Wire End Brush. Skin-packed. Shipping wt. 4 oz.

14060 1" Crimped Wire End Brush. Skin-packed. Shipping wt. 4 oz.



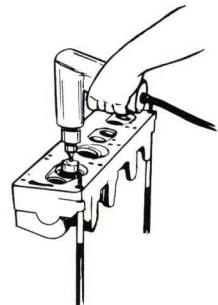
KNOT  
STYLE



14040



14060

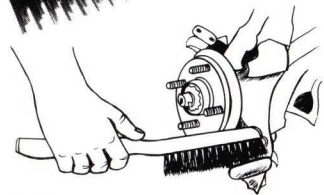
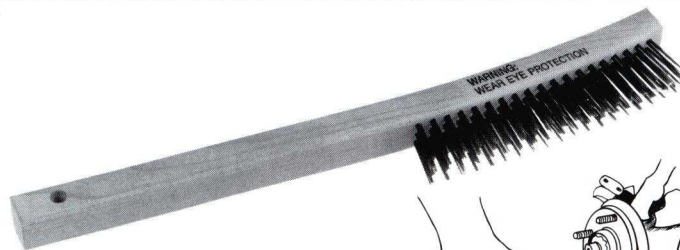


CRIMPED  
STYLE

**14160 SCRATCH BRUSH**

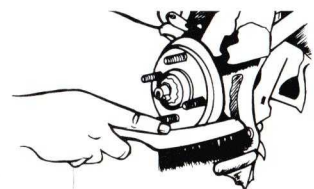
Removes rust, scale, paint and solder from metal surfaces. Also great for cleaning threads and files. Brush has 5 1/2" of densely packed wire bristles and a hardwood handle. Overall length is 14".

14160 Scratch Brush. Skin-packed. Shipping wt. 7 oz.

**14180 SHOE HANDLE WIRE SCRATCH BRUSH**

Removes rust, scale, paint and solder from metal surfaces. Also great for cleaning threads and files. Brush has 4 1/2" of densely packed wire bristles and a hardwood handle. Overall length 9 3/4".

14180 Shoe Handle Wire Scratch Brush. Skin-packed. Shipping wt. 6 oz.



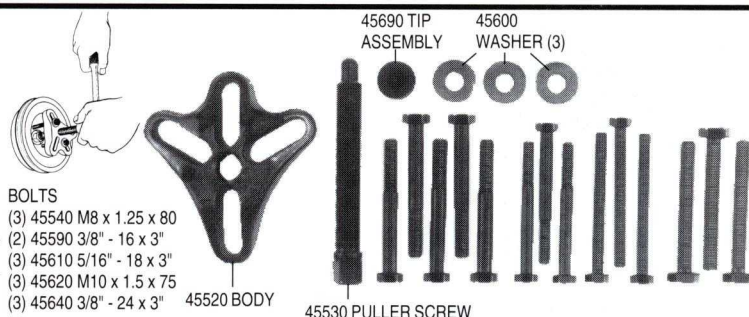


## 45500 HARMONIC BALANCER PULLER

**Helps Stop Damage to Pulley and Shaft.**

Designed to ease the operation of pulling the balancer pulley. It reduces damage to both the pulley and the shaft.

**45500 Harmonic Balancer Puller.** Clam Shell Package. Shipping wt. 2 lbs. 9 oz.



## 45000 STEERING WHEEL PULLER

**Universal Puller for Most Makes and Models.**

Screw pad protects end of steering shaft. Heavy duty for long wear.

**45000 Steering Wheel Puller.** Clam Shell Package. Shipping wt. 1 lb. 5 oz.

- 45020 Puller Screw
- 45050 Screw Pad
- 45090 Puller Frame
- (2) 45200 3/8" - 16 Bolt
- (2) 45210 5/16" - 18 Bolt
- (2) 45220 5/16" - 24 Bolt

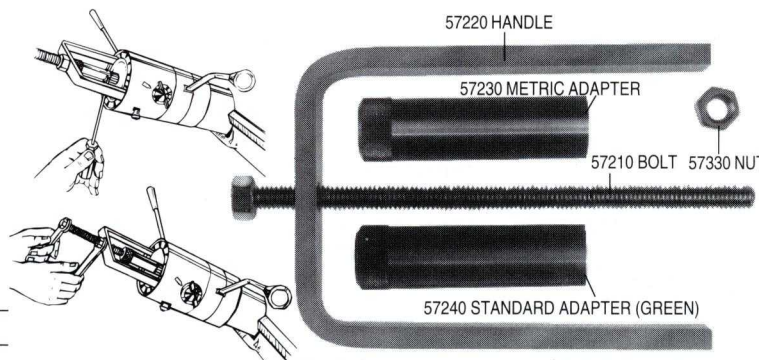


## 57200 STEERING WHEEL LOCK PLATE TOOL

**Fits all Domestic Lock Plates Including Tilt and Telescoping Columns.**

Tool depresses lock plate for easy removal of lock ring. Allows access to steering column for repair work. Comes with standard and metric adapters for most all domestic lock plates.

**57200 Steering Wheel Lock Plate Tool.** Skin Packed. Shipping wt. 15 oz.



## 45900 HOOD PROP

**Works on All Makes of Cars and Trucks.**

The three-piece, telescoping design allows the mechanic to hold the hood in the desired position. The tool telescopes from 18 1/2" to 46 3/4". Can be used from the side of car for better access to the engine compartment. Also great for body or repair work on door, trunk lids, or hatchbacks.

**45900 Hood Prop.** Skin-packed. Shipping wt. 2 lb.



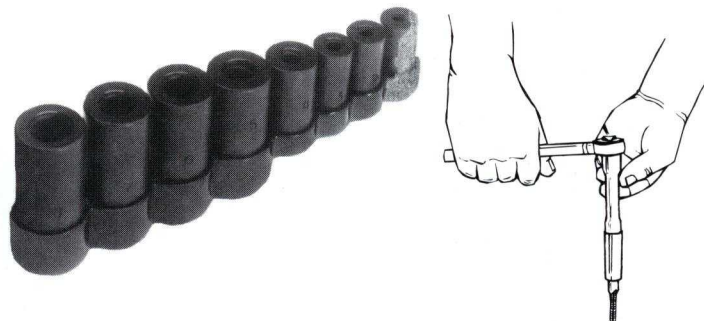
## 70500 TAP SOCKET SET

**For Use in Restricted Areas.**

Ideal for use in areas where a T handle won't fit. Set of 8 sockets fits all number and fractional M.C.T.I. standard taps thru 1/2". Also fits 1/8" NPT taps and metric taps thru 12mm manufactured to M.C.T.I. standards.

**70500 Tap Socket Set.** Skin-packed. Shipping wt. 1 lb. 2 oz.

| Lisle No. |           | Fits In.     | Fits Metric                           | Shank Dia. | Sq. Size |
|-----------|-----------|--------------|---------------------------------------|------------|----------|
| 70520     | Socket #1 | #1,2,3,4,6,8 | 1.6, 1.8, 2, 2.2, 2.5, 3, 3.15, 3.5mm | .141       | .110     |
| 70540     | Socket #2 | #8           | 4mm                                   | .168       | .131     |
| 70560     | Socket #3 | #10          | 4.5, 5mm                              | .194       | .152     |
| 70580     | Socket #4 | 1/4"         | 6, 6.3mm                              | .255       | .191     |
| 70600     | Socket #5 | 5/16", 7/16" | 7, 8mm                                | .323       | .242     |
| 70620     | Socket #6 | 3/8"         | 10mm                                  | .381       | .286     |
| 70640     | Socket #7 | 1/2"         | 12, 12.5mm                            | .367       | .275     |
| 70660     | Socket #8 | 1/8" NPT     |                                       | .437       | .328     |





## 57800 SERPENTINE BELT TOOL & ACCESSORIES

**Releases Tension on Serpentine Belts with a Spring Loaded Idler Pulley.**

Used to remove and install belts on serpentine belt systems using a spring loaded idler pulley. Will reach where conventional ratchets or breaker bars won't. Fits pulleys requiring 13mm, 15mm, 16mm, 18mm hex and both 3/8" and 1/2" square drive sizes. Also comes with an extension that can be bolted on and set in 11 different positions for hard to reach areas. Covers most all applications.

**57800 Serpentine Tool.** Skin-packed. Shipping wt. 2 lb. 10 oz.

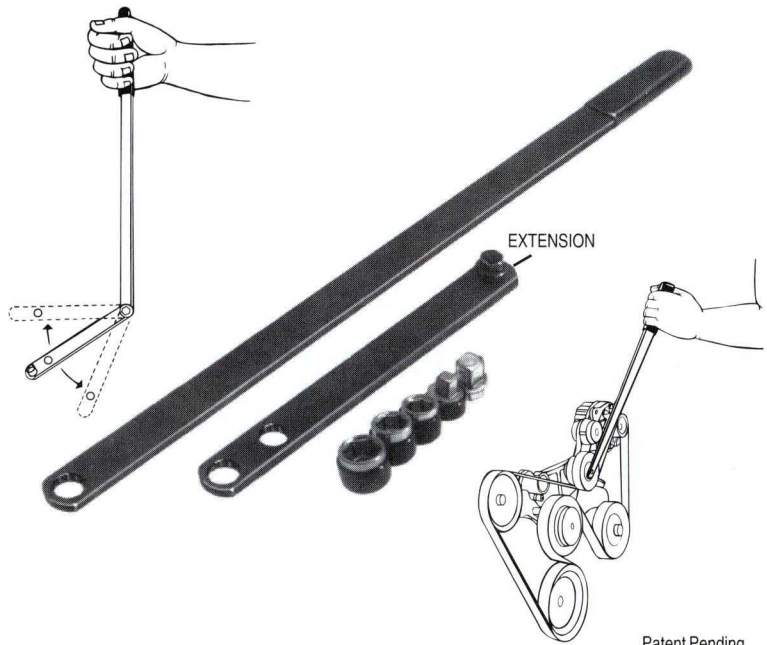
**57440 15mm Socket.**

**57450 18mm Socket.**

**57500 13mm Socket.**

**57530 3/8" Square Drive.**

**57560 1/2" Square Drive Socket.** **57700 Extension.** Mini-pouched.



Patent Pending

## 41800 FAN CLUTCH WRENCH SET FOR FORD

**Removes Fan Clutch on Most All Ford Vehicles.**

This wrench set removes and installs Ford fan clutches when repairing or replacing the water pump, timing chain or the fan clutch. Set includes two holding wrenches and two open-end wrenches. The double-ended wrench and small holding wrench work on 2.8, 2.9, 3.0, 4.0 and 4.9 liter engines. The larger open-end wrench and larger holding wrench fit 6.9 and 7.3 liter diesel engines. Wrenches are available individually.

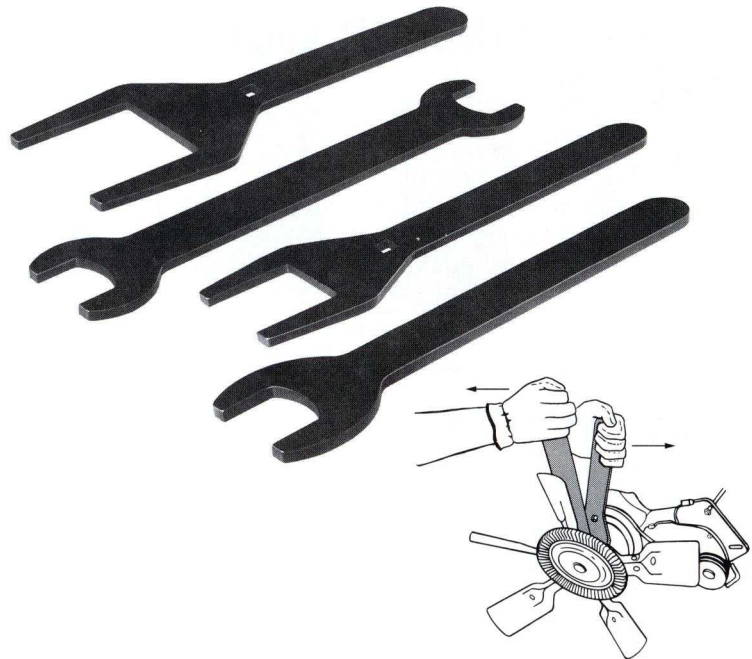
**41800 Fan Clutch Wrench Set for Ford.** Boxed. Shipping wt. 7 lbs. 4 oz.

**41810 36mm / 1 9/16" Wrench.** Boxed. Shipping wt. 1 lb. 12 oz.

**41820 58mm Wrench.** Boxed. Shipping wt. 1 lb. 14 oz.

**41860 1 7/8" Wrench.** Boxed. Shipping wt. 1 lbs. 13 oz.

**41870 3 1/4" Wrench.** Boxed. Shipping wt. 2 lbs. 4 oz.



## 12400 FAN BELT TIGHTENER

**Makes Belt Tightening an Easy, One-Person Job.**

Works on most alternators and some other belt driven accessory units. 1/2" square drive.

**12400 Fan Belt Tightener.** Skin-packed. Shipping wt. 10 oz.





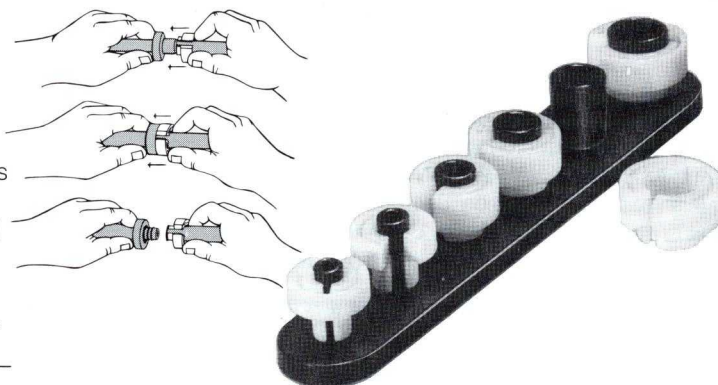
## 37000 AIR CONDITIONING / FUEL LINE DISCONNECT TOOL SET

**Easily Disconnects Air Conditioning Lines and Quick Connect Fuel Lines.**

Set of six tools which disconnect the spring lock couplings on Ford and Chrysler air conditioning line. Also works on fuel line quick connect couplings found on GM, Ford, and Chrysler. The 5/16" size fits on push lock connectors found on Ford radiators and transmission lines. Easy to use in confined spaces. Set includes six sizes: 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8".

**37000 Air Conditioning/Fuel Line Disconnect Tool Set.** Skin-packed.

Shipping wt. 6 oz.



Patent 5,455,995

## 36450 FUEL LINE DISCONNECT SET FOR FORD TRUCKS

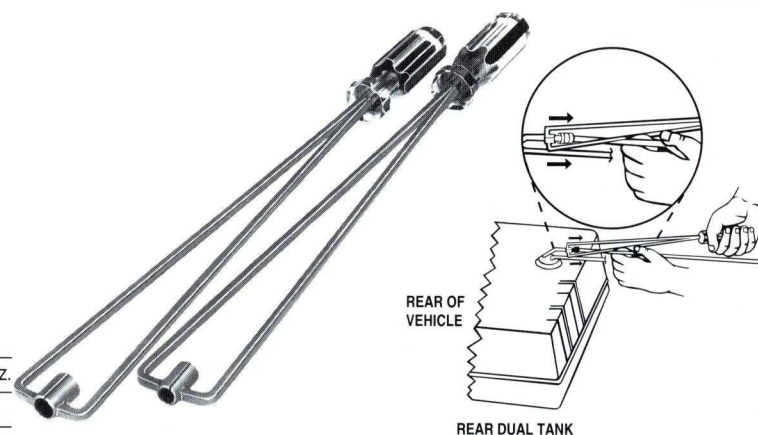
**Quickly Disconnects Both Rear Fuel Tank Lines.**

Two tools fit 1992 to present F Series Ford trucks with 4.9, 5.0, 5.8 and 7.5 liter engines. Use the 3/8" tool for the fuel supply line and the 5/16" tool for the return line. Both tools are 15" in length. This allows you to reach and disconnect the fuel lines without lowering the fuel tank. However, if lowering the fuel tank is necessary, tools will prevent damage to fuel lines. Tools are available individually.

**36450 Fuel Line Disconnect Set for Ford Trucks.** Skin-packed. Shipping wt. 10 oz.

**36460 5/16" Disconnect Tool.** Boxed. Shipping wt. 6 oz.

**37150 3/8" Disconnect Tool.** Boxed. Shipping wt. 6 oz.



Patent 5,471,728

## 38850 PULLEY PULLER / INSTALLER

**Removes and Installs Pressed on Power Steering, Alternator and Air Pump Pulleys.**

Makes removing pressed on pulleys an easy job. This puller will remove and install pulleys on most GM, Ford and Chrysler vehicles. Special adapters are included for GM 3.1 and Quad 4 engines. Works on traditional V-shaped pulleys and serpentine belt system pulleys. Tool comes complete with detailed instructions and a heavy-duty plastic storage case.

**38850 Pulley Puller.** Display Carton. Shipping wt. 1 lb. 12 oz.

**38860 Body.** **38930 Med. 3/8" x 16 Installer Adapter.**

**38880 Hub.** **38940 Short Pin.**

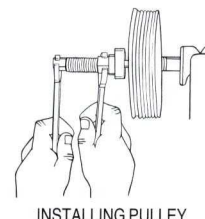
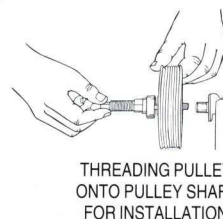
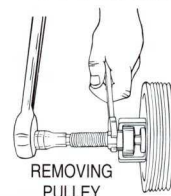
**38900 Removing Adapter.** **38950 Long Pin.**

**38910 Short 3/8" x 16 Installer Adapter.** **38960 Long 3/8" x 16 Installer Adapter.**

**38920 Short 8mm Installer Adapter.** **38990 Puller Screw.**



COMES IN HEAVY-DUTY STORAGE CASE

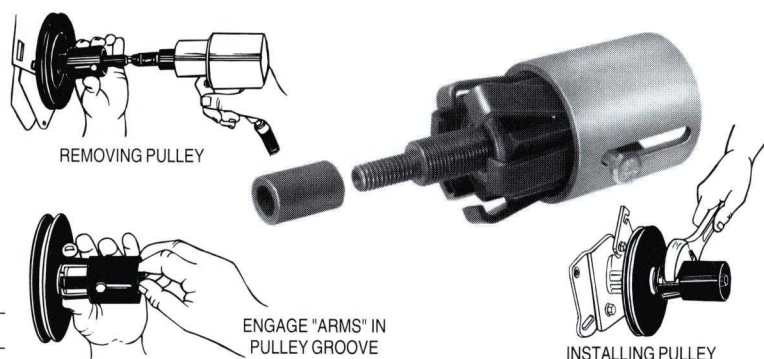


## 40000 PULLEY PULLER / INSTALLER

**Removes and Installs Power Steering, Alternator and Air Pump Pulleys on Most Domestic Cars.**

This tool will remove power steering alternator and air pump pulleys on most GM, Ford and Chrysler vehicles. It can also install pulleys on 3/8" - 16 internally threaded shafts. Heavy duty tool arms firmly grip hub for strong pulling action.

**40000 Pulley Puller / Installer.** Clam Shell Package. Shipping wt. 1 lb. 11 oz.





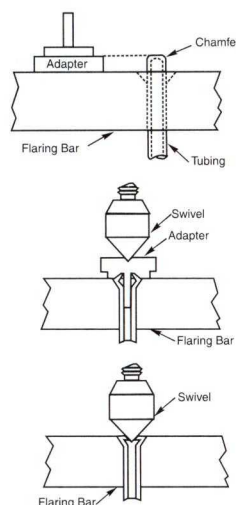
## 31310 DOUBLE FLARING TOOL SET

### Makes Both Single and Double SAE Flares.

This tool set includes everything to flare thin wall steel, aluminum or .040 wall soft copper tubing. The set includes 5 thread dies and adapters for forming double flares on the following tubing sizes: 3/16", 1/4", 5/16", 3/8" and 1/2". However, this set is not for use on stainless steel tubing. The set is packaged in a durable, oil and grease resistant polyethylene box for storage. Full instructions are included.

**31310 Double Flaring Tool Set. Boxed. Shipping wt. 2 lb. 3 oz.**

|                            |                            |
|----------------------------|----------------------------|
| <b>31160 Handle</b>        | <b>31180 3/8" Adapter</b>  |
| <b>31370 3/16" Adapter</b> | <b>31380 1/4" Adapter</b>  |
| <b>31390 5/16" Adapter</b> | <b>31410 1/2" Adapter</b>  |
| <b>31420 Bar Assembly</b>  | <b>31430 Yoke Assembly</b> |
| <b>31440 Wing Nut</b>      |                            |

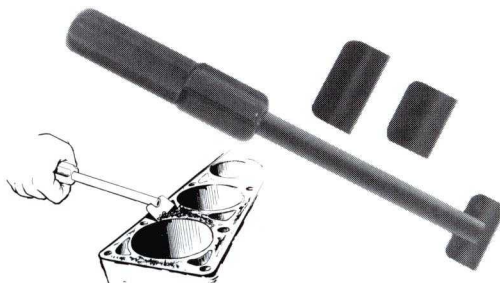


## 51000 HEAVY DUTY SCRAPER

### Sharp Steel Blade Quickly Peels Off Carbon, Sludge.

Sharp, hardened steel blades remove carbon, old gasket material, adhesives, sludge and other hard-to-clean substances from blocks, heads, etc. Comes with three blades. 1", 1 1/2" and 2" widths. Tool will hold single edge razor blade for bumper stickers and decals.

**51000 Heavy Duty Scraper. Skin-packed. Shipping wt. 6 oz.**



REPLACEMENT  
BLADES

| PART NO. | SIZE              |
|----------|-------------------|
| 51120    | Six 1" blades     |
| 51130    | Six 1 1/2" blades |
| 51140    | Six 2" blades     |

## 51650 CARBIDE GASKET SCRAPER

### Six-Sided Carbide Blade Cuts Smoother and Lasts Longer.

The carbide blade has special sharpened angles that won't gouge metal surfaces. Offset shaft gives additional hand clearance, and allows better control in tight places. When carbide cutter becomes dull, loosen allen screw and turn blade to next position. Turn blade over for three additional cutting surfaces for a total of six possible cutting edges.

**51650 Carbide Gasket Scraper. Skin-packed. Shipping wt. 7 oz.**

**51660 Replacement Carbide Blade.**



Patent Pending

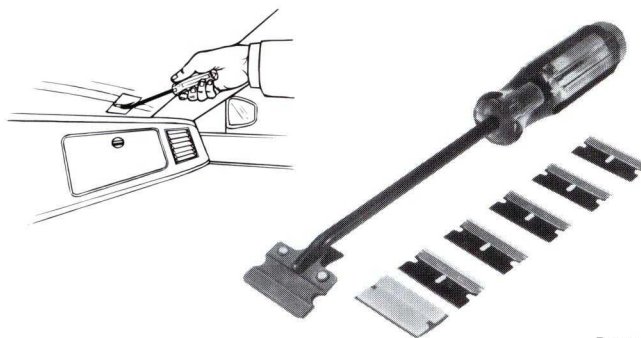
## 52000 RAZOR BLADE SCRAPER

At last, a scraper that is designed to reach in tight places. Comes with five stainless steel blades for removing stickers from windshields, bumpers, etc. Also comes with a plastic blade for use on safety plastic laminated windshields to prevent scratching. Spring-release allows easy interchange of blades. Reverse blade in holder for storage. Hollow handle stores all blades when not in use.

**52000 Razor Blade Scraper. Skin-packed. Shipping wt. 7 oz.**

**51320 Replacement Blades. 5 piece set stainless steel blades.**

**52080 Replacement Blades. 5 piece set plastic blades.**



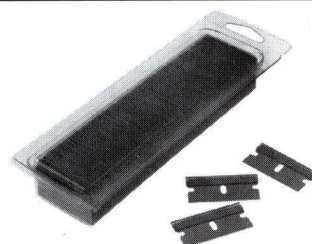
Patent 5,208,984

## 52150 100 PACK OF RAZOR BLADES

### Convenient Pack of Standard Razor Blades.

Contains 100 stainless steel, single edged razor blades. Pack is resealable for organized storage. Fits all standard razor blade tools, including Lisle 52000 Razor Blade Scraper.

**52150 100 Pack of Razor Blades. Clamshell. Shipping wt. 12 oz.**





## 51350 1 1/4" PUTTY KNIFE, SCRAPER

1 1/4" Stiff, Tempered Steel Blade.

Ideal for scraping old putty, paint, dirt and carbon. Can also be used for applying putty. One piece blade has a satin finish. Handle is made of polypropylene for easy cleanup.

51350 1 1/4" Putty Knife, Scraper. Skin Packed. Shipping wt. 2 oz.



## 51360 3" PUTTY KNIFE, SCRAPER

3" Flexible, Tempered Steel Blade.

Ideal for applying body filler or putty. Can also be used for light scraping. Blade is angled for working around corners. One piece blade has a satin finish. Handle is made of polypropylene for easy cleanup.

51360 3" Putty Knife, Scraper. Skin Packed. Shipping wt. 4 oz.

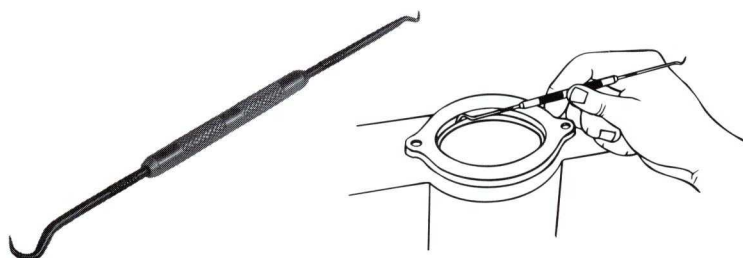


## 31840 "O" RING AND SEAL PICK

Quickly Removes and Installs "O" Rings and Seals.

Tips are angled for hard-to-reach areas typically found around brakes, air conditioning and transmissions. Tips are hardened to stay sharp. Handle is knurled for a sure grip.

31840 "O" Ring and Seal Pick. Skin Packed. Shipping wt. 1 oz.

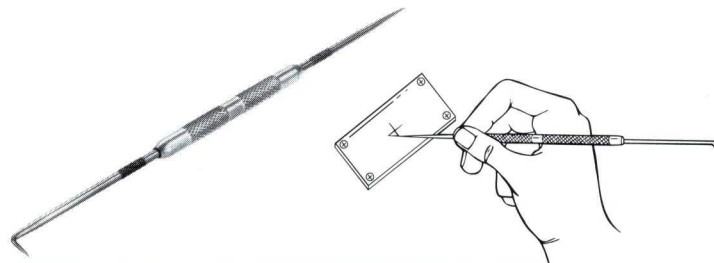


## 31800 SCRIBE

Ideal for Marking Most Metal and Softer Material Surfaces.

Comes with straight and 90° points to mark in even the tightest places. Heat-treated carbon steel points provide durability. Knurled aluminum handle provides a sure grip.

31800 Scribe. Skin-packed. Shipping wt. 1 oz.

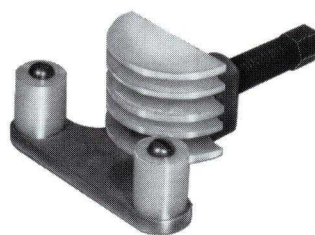


## 44000 TUBING BENDER

Bends 4 Sizes.

Easy to use with one end connected - or can be mounted in a vise. Exclusive nylon form prevents kinking or flattening. For 3/16", 1/4", 5/16" and 3/8" O.D. tubing. Not recommended for 3/8" steel.

44000 Lisle Tubing Bender. Skin-packed. Shipping wt. 14 oz.



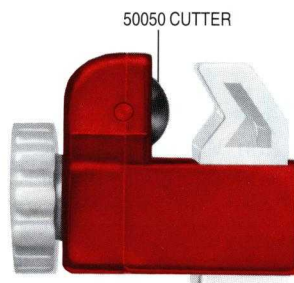
## 50000 MINI-CUTTER

Smooth Nylon Action Cuts Tubing Quickly.

Easy-to-use Mini-Cutter features all nylon construction, giving you smoother, easier operation and longer tool life. Can be used in tight places right on the car. For all types of metal tubing. Handles smallest tubing to 5/8" O.D. Completely non-corrosive.

50000 Mini-Cutter. Skin-packed. Shipping wt. 1 oz. NSN 5110-00-965-0878

50050 Replacement Cutter. Shipping wt. 1 oz.



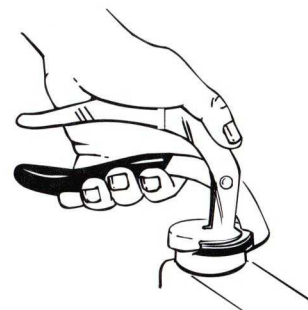


**20900 RADIATOR CAP PLIERS**

Fast, Safe Removal of all Standard Radiator Caps.

Simply engage the pliers over the cap, press down, rotate and release.

20900 Radiator Cap Pliers. Skin-packed. Shipping wt. 12 oz.



Patent 4,458,564

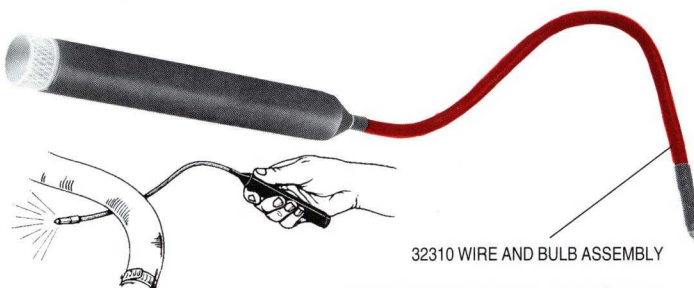
**32250 FLEXIBLE FLASHLIGHT**

Shines Where Other Lights Can't!

Flexible wire holds the shape you give it. Focused high intensity bulb (only 1/4" in diameter) fits into the tight spots.

32250 Flexible Flashlight. Skin-packed. Shipping wt. 3 oz.

32310 Wire and Bulb Assembly. Shipping wt. 1 oz.



32310 WIRE AND BULB ASSEMBLY

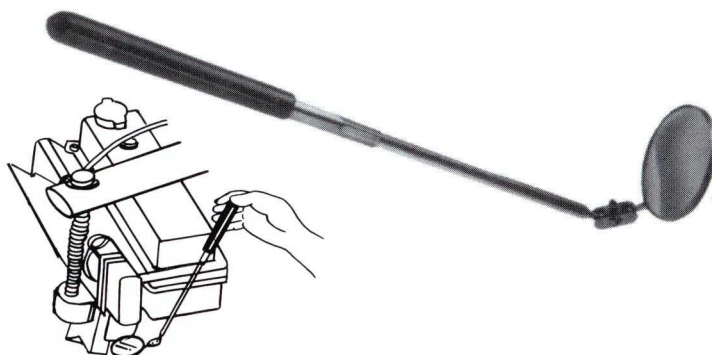
USES TWO AA BATTERIES, NOT INCLUDED

**32050 TELESCOPING MIRROR**

Enables You To See Around Corners.

2 1/4" diameter mirror swivels to any position. Length extends from 10" to 14". Has an insulated vinyl grip.

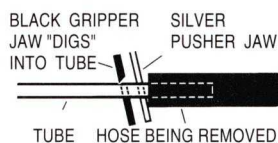
32050 Telescoping Mirror. Skin-packed. Shipping wt. 4 oz.

**47900 HOSE REMOVER PLIERS**

For Easy Removal of 5/32" to 1/2" Vacuum and Fuel Hoses.

Engage the tube (line) with the black jaw. This sharpened jaw actually "DIGS" into the tube to grip it! Squeeze and the hose is easily pushed off by the silver jaw.

47900 Hose Remover Pliers. Skin-packed. Shipping wt. 8 oz.



BLACK GRIPPER JAW "DIGS" INTO TUBE  
TUBE HOSE BEING REMOVED  
SILVER PUSHER JAW



BLACK GRIPPER JAW  
TUBE HOSE BEING REMOVED  
SILVER PUSHER JAW

Patent 4,571,808

**18700 HOT SLEEVE**

Protects Arms from Burns While Working Around the Engine.

Made of durable, heat-resistant Kevlar®. Double wall construction for added heat protection. Will protect hand and forearm from hot objects. Will work on either right or left arm. Sleeve is washable.

18700 Hot Sleeve. Bagged and Carded. Shipping wt. 2 oz.

Kevlar® is a trademark of Dupont.





## 31000 31250 66500 MAGNETIC PICK-UP TOOLS

Will retrieve parts and tools from hard to reach places. Magnet shielded to concentrate magnetic field at end of tool. 31000 and 66500 have a super strong neodymium magnet. 31000 extends from 14 1/2" to 23 1/4". 31250 total length 9 1/2". 66500 telescopes from 4 1/2" - 16 1/4".

**31000 Magnetic Pick-Up Tool.** Skin-packed. Shipping wt. 7 oz.

**31250 Magnetic Pick-Up Tool.** Skin-packed. Shipping wt. 2 oz.

**66500 Telescoping Magnetic Pocket Pick-Up.** Skin-packed. Shipping wt. 2 oz.



## 24750 FENDER PROTECTOR

**Durable, Heavy Duty.**

Heavy, long wearing foam vinyl protects the car and provides a convenient place for holding small tools and parts.

**24750 Fender Protector.** Plastic bag. Shipping wt. 1 lb. 2 oz.

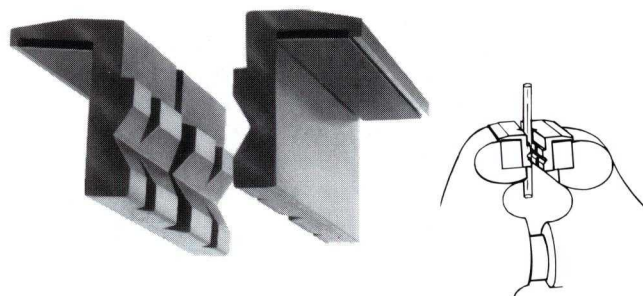


## 48000 ALUMINUM VISE JAW PADS

**Ideal for Holding Round and Hex Parts Securely.**

V-shaped aluminum surface holds and helps protect round or hex parts. Specially designed ledge supports flat parts while clamping. Strong nitrile magnets will attach to any steel vise jaws.

**48000 Aluminum Vise Jaw Pads.** Skin-packed. Shipping wt. 10 oz.

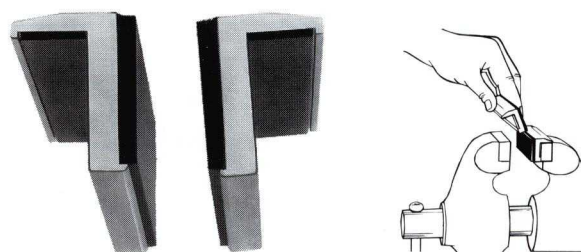


## 48100 RUBBER FACED VISE JAW PADS

**For Protecting Delicate Parts.**

Rubber jaw pads protect delicate parts from damage. Also works great for holding irregular shapes. Strong nitrile magnets attach to any steel vise jaw.

**48100 Rubber Faced Vise Jaw Pads.** Skin-packed. Shipping wt. 7 oz.





**43800 CAM-LOCK PULLER****Positive Clamping Action for Easier Use.**

The three puller jaws are adjustable to fit various pulling applications. The cam-lock jaws are supported by the frame to hold their position. This makes adjustment easy, and prevents slipping during setup. Simply turn the adjusting screw to position the jaws on the pulling surface. Puller jaws are reversible for internal and external pulling.

**43800 Cam-Lock Puller.** Clam-shell. Shipping wt. 4 lb. 13 oz.

**20690 Bolt.**

**43830 Grooved Hub/Arm Assembly.**

**43850 Threaded Hub/Arm Assembly.**

**43860 Jaw.**

**43870 Adjusting Screw.**

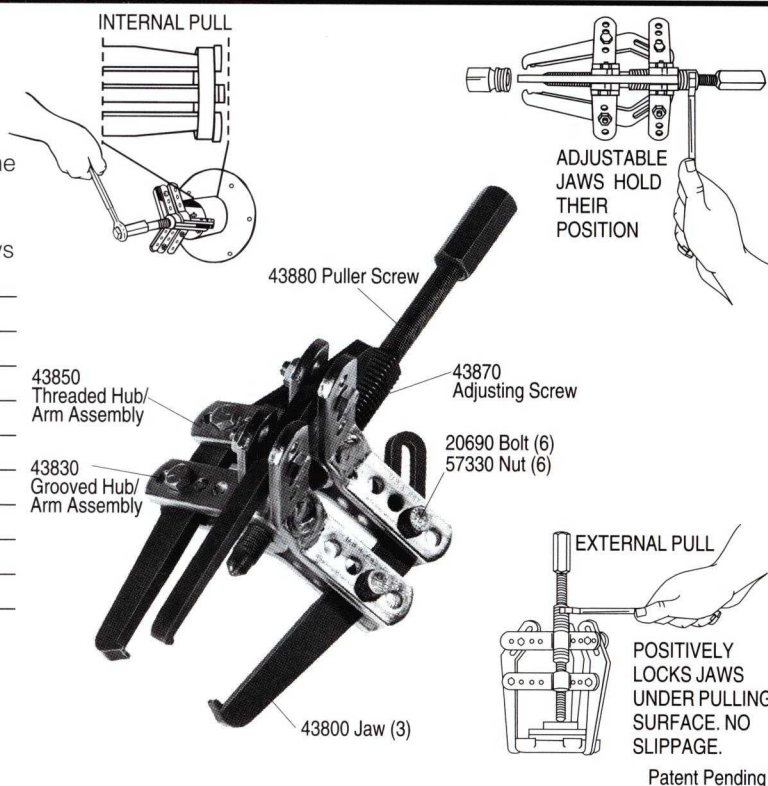
**43880 Puller Screw.**

**43910 Internal Snap Screw.**

**57330 Nut.**

**Range**

|                          |                         |
|--------------------------|-------------------------|
| Capacity: 4 ton          | Spread: 10" internal    |
| Jaws: 3 jaws, reversible | 6" external             |
| Reach: 3 9/16"           | Center Screw: 1/2" x 8" |

**50350 "SIDE WINDER" AIR HOSE REEL****Coil and Uncoil Your Air Hose Neatly and Quickly to Prevent Damage.**

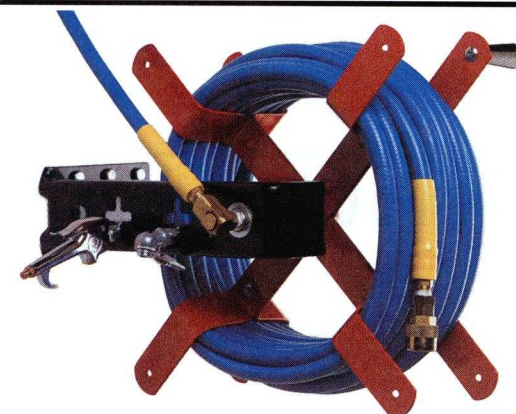
The Side Winder Air Hose Reel provides a large 10" diameter reel to prevent tight coils in your air hose. Two built-in tool hangers keep your air chuck, blow gun or other air tools handy. The constant supply 1/4" NPT brass swivel keeps air flowing freely and handles up to 250 P.S.I. even when dispensing or winding air hose. A coil spring brake keeps reel from unrolling, yet allows easy dispensing of hose. Versatile installation — reel can be fastened in any direction — on a bench, under a bench, on a wall, from the ceiling, on a compressor or on a service truck. Base has a six hole pattern for bench mounting and a center line pattern for mounting on a stud wall. The all steel construction with durable powder baked paint finish is made to last. Supplies 28 C.F.M. at 90 P.S.I. Reel holds 150 feet of 5/8" O.D. hose or 100 feet of 3/4" O.D. hose. Dimensions: Diameter 17 3/4", Width 11", Height 19".

**50350 Air Hose Reel.** Boxed. Shipping wt. 8 lb. 13 oz.

**50310 Swivel Joint**

**50410 Handle**

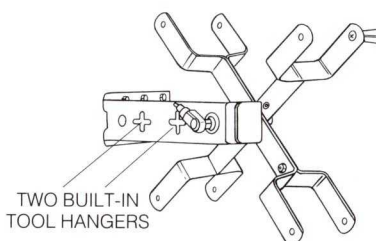
**50400 Handle Screw**



**\*AIR HOSE AND AIR TOOLS NOT INCLUDED**



**SIDE WINDER**



Patent Pending



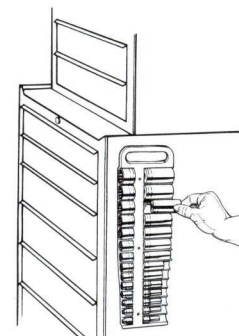
## 40200 40210 3/8" MAGNETIC SOCKET HOLDERS

Organizes 3/8" Fractional and Metric Sockets.

Twenty-eight separate socket compartments that allow you to keep your 3/8" standard and deep sockets in one convenient holder. Holds sockets up to 1" or 24mm. Design of holders leaves sockets exposed for easy identification. Powerful magnets securely hold sockets in tray, and tray to any steel surface. Made of strong ABS plastic. Fits most 3/8" socket sets.

40200 Lg. Mag. Socket Holder, Red. Display Sleeve. Shipping wt. 2 lb. 2 oz.

40210 Lg. Mag. Socket Holder, Green. Display Sleeve. Shipping wt. 2 lb. 2 oz.



Patents 5,313,181  
5,343,181  
5,500,631

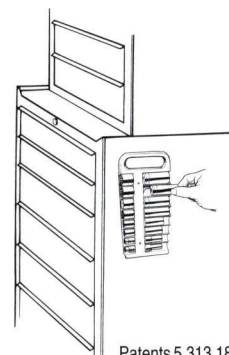
## 40280 40290 3/8" MAGNETIC SOCKET HOLDERS

Organizes 3/8" Fractional, Metric and Impact Sockets.

Sixteen separate socket compartments that allow you to keep your 3/8" standard and deep sockets in one convenient holder. Holds sockets up to 3/4". Design of holders leaves sockets exposed for easy identification. Powerful magnets securely hold sockets in tray, and tray to any steel surface. Made of strong ABS plastic. Made especially for impact socket sets.

40280 Sm. Mag. Socket Holder, Red. Display Sleeve. Shipping wt. 1 lb. 2 oz.

40290 Sm. Mag. Socket Holder, Green. Display Sleeve. Shipping wt. 1 lb. 2 oz.



Patents 5,313,181  
5,343,181  
5,500,631

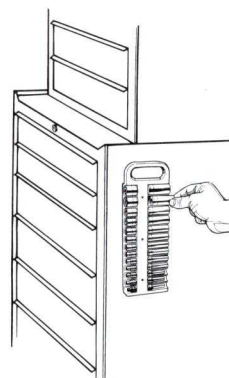
## 40120 40130 1/4" MAGNETIC SOCKET HOLDERS

Organizes 1/4" Fractional and Metric Sockets.

Twenty-six separate socket compartments allow you to keep your 1/4" standard and deep sockets in one convenient holder. Holds sockets up to 5/8" or 15mm. Design of holders leaves sockets exposed for easy identification. Powerful magnets securely hold sockets in tray, and tray to any steel surface. Made of strong ABS plastic.

40120 1/4" Mag. Socket Holder, Red. Display Sleeve. Shipping wt. 1 lb. 4 oz.

40130 1/4" Mag. Socket Holder, Green. Display Sleeve. Shipping wt. 1 lb. 4 oz.



Patents 5,313,181  
5,343,181  
5,500,631

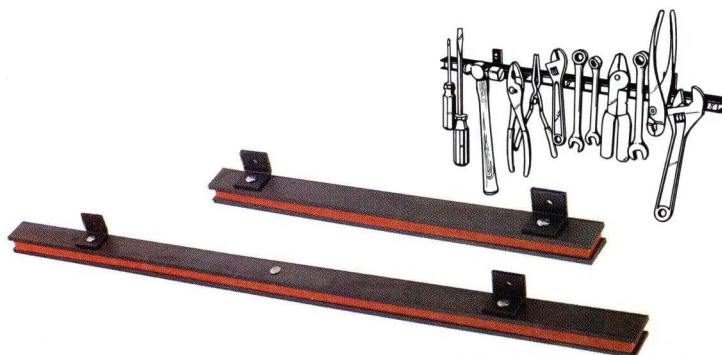
## 21300 21400 MAGNETIC TOOL HOLDERS

21300 - 13" Length. 21400 - 24" Length.

Powerful magnet holds even heavy hand tools. Ideal for both home and shop. Mounting screws included.

21300 13" Magnetic Tool Holder. Skin-packed. Shipping wt. 1 lb. 11 oz.

21400 24" Magnetic Tool Holder. Skin-packed. Shipping wt. 2 lbs. 13 oz.



Patents 4,451,810  
4,544,067



**96402 96502 96602 96702 96802****LOW PROFILE PLASTIC CREEPERS**

*World's Toughest Creeper. This May Be the Last Creeper You'll Ever Buy.*

Super-rugged one-piece construction. Full warranty on creeper body. Low profile, 7/8" clearance. Six smooth riding 2" wheels. Easy to clean surface. Resistant to solvents, greases and fuels. Available in five colors: red, orange, yellow, blue and green. Dimensions: 36" long x 17 1/2" wide x 3 5/8" high. Clearance 7/8".

**96402 Yellow - Low Profile Plastic Creeper.** Packed 1 per box.

Shipping wt. 11 lbs. 12 oz.

**96502 Red - Low Profile Plastic Creeper.** Packed 1 per box.

Shipping wt. 11 lbs. 12 oz.

**96602 Orange - Low Profile Plastic Creeper.** Packed 1 per box.

Shipping wt. 11 lbs. 12 oz.

**96702 Blue - Low Profile Plastic Creeper.** Packed 1 per box.

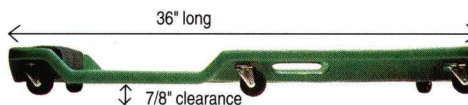
Shipping wt. 11 lbs. 12 oz.

**96802 Green - Low Profile Plastic Creeper.** Packed 1 per box.

Shipping wt. 11 lbs. 12 oz.

**96422 2" Wheel.** Shipping wt. 6 oz.

**96412 Replacement Headrest.**



Patent D 320,484

**96102 36" LOW PROFILE STEEL CREEPER**

Standard 36" length on tubular steel frame. Bed is high quality 1/2" plywood. Comes with four 2" ball bearing wheels for a smooth, easy glide.

**96102 36" Low Profile Jeepers Creeper.** Packed 1 per box.

Shipping wt. 13 lbs. 3 oz.

**96132 2" Wheel.** Shipping wt. 6 oz.

**98112 Replacement Headrest.**



Patents 5,174,592  
5,330,209

**96202 42" LOW PROFILE STEEL CREEPER**

Quality 1/2" plywood bed on an expanded 42" tubular steel frame. Comes with four 2" ball bearing wheels and an extra large head rest.

**96202 42" Low Profile Steel Creeper.** Packed 1 per box.

Shipping wt. 14 lbs. 13 oz.

**96132 2" Wheel.** Shipping wt. 6 oz.

**96242 Replacement Headrest.**



Patents 5,174,592  
5,330,209



## 96302 42" PADDED LOW PROFILE STEEL CREEPER

Our most comfortable creeper. A fully padded creeper on a 42" tubular steel frame. Pad is made of heavy-duty vinyl and offers maximum comfort. Comes with four 2" ball bearing wheels.

96302 42" Padded Low Profile Steel Creeper. Packed 1 per box.

Shipping wt. 16 lbs. 2 oz.

96132 2" Wheel. Shipping wt. 6 oz.

96322 Replacement Padded Board and Headrest.



Patents 5,174,592  
5,330,209

## 97502 97602 STANDARD CREEPERS

Our Most Popular Wooden Models.

Standard Creepers feature bolted construction, five cross rails, vinyl covered, poly foam headrest. Available with either plastic rollers or 3" steel rollers. 16" wide by 36" long.

97502 Standard Creeper with Plastic Rollers. Shipping wt. per box of two,

19 lbs. NSN 4910-00-251-6981

99802 2 3/4" Engineering Plastic Roller. Shipping wt. 6 oz.

97602 Standard Creeper with Steel Rollers. Shipping wt. per box of two, 21 lbs. 8 oz.

99702 3" Steel Roller. Shipping wt. 9 oz.



## 98102 98262 ECONOMY CREEPERS

Bolted construction, four cross rails, vinyl covered poly-foam headrest. Available with either plastic rollers or 3" steel rollers. 16" wide by 36" long.

98102 Economy Creeper with Plastic Rollers. Shipping wt. per box of two, 17 lbs.

99802 2 3/4" Engineering Plastic Roller. Shipping wt. 6 oz.

98262 Economy Creeper with Steel Rollers.

Shipping wt. per box of two, 19 lbs. 8 oz.

99702 3" Steel Roller. Shipping wt. 9 oz.



## 97492 DELUXE CREEPER

For those who prefer a rugged creeper, this is the answer. Made of carefully selected 5/8" kiln-dried hardwood lumber. Comfortable poly-foam headrest covered with vinyl. Overall dimensions, 16" wide by 36" long.

97492 Deluxe Creeper with Steel Rollers. Shipping wt. per box of two, 28 1/2 lbs.

NSN 4910-01-100-7222

99702 3" Steel Roller. Shipping wt. 9 oz.





**98092 KING SIZE CREEPER**

With E-Z REST.

One of the most comfortable creepers ever built. The E-Z REST supports both head and shoulders. Adjustable to four positions for perfect comfort. Soft headrest covered with long-wearing vinyl. 16" wide and 42" long, has SIX rollers and cross rails. Built to last.

**98092 King-Size Creeper with Steel Rollers.** Packed 1 per box.

Shipping wt. per box, 15 lbs.

**99702 3" Steel Roller.** Shipping wt. 9 oz.

**98302 98702 CREEPER SEATS**

With 2" Rubber Wheels.

These creeper seats are equipped with 2" wheels. Gives user a much smoother ride. Just right for all kinds of low work. Big 14" x 18" lower shelf for tools, test equipment, parts, etc. Perfect for brake service, body work, tire service, wheel balancing, etc.

**98302 Lo-Boy Creeper Seat with 2" Wheels.** Packed 1 per box.

Shipping wt. 11 lbs. NSN 4940-00-357-7207.

**98702 Padded Lo-Boy Creeper Seat with 2" Wheels.** Packed 1 per box.

Shipping wt. 11 lbs. 8 oz. NSN 4910-01-097-1012.

**97112 2" Wheel.** Shipping wt. 6 oz.

**98712 Padded Seat Board.** Shipping wt. 8 oz.

**REPLACEMENT ROLLERS AND WHEELS**

The 99702 3" steel rollers or 99802 2 3/4" engineering plastic rollers are standard on all our wooden creepers. As an option you can replace these rollers with either our 99602 2" steel rollers or our 97112 2" wheel with bracket. Both provide a lower profile effect. The 97112 2" wheel with bracket is standard on both of our creeper seats. The 96132 2" oil resistant plastic wheel is standard on all Lisle steel creepers. This low-profile wheel comes with a cap nut and lock washer to prevent loosening. The 96422 2" oil resistant plastic wheel is standard on all plastic creepers. The 96422 wheel includes a cap nut 96552.

**96142 Cap Nut for 96132.** Shipping wt. 1 oz.

**96132 Wheel for Steel Creepers.** Shipping wt. 6 oz.

**96422 Wheel for Plastic Creepers.** Shipping wt. 6 oz.

**96552 Cap Nut for 96422.** Shipping wt. 1 oz.

**97112 Wheel with Bracket for Wooden Creepers.** Shipping wt. 6 oz.

**99602 2 1/2" Steel Roller for Wooden Creepers.** Shipping wt. 7 oz.

**99702 3" Steel Roller for Wooden Creepers.** Shipping wt. 10 oz.

**99802 2 3/4" Engineering Plastic Roller for Wooden Creepers.** Shipping wt. 5 oz.



**99602 ROLLER**  
For use where extremely low clearance is desired. Steel 2 1/2" roller and bracket.  
Specifications:  
Bracket - 1 1/2" x 2"  
Overall Height - 2 5/8"



**99702 ROLLER**  
A low-clearance 3" steel roller and bracket.  
Specifications:  
Bracket - 1 1/2" x 2"  
Overall Height - 3"



**97112 REPLACEMENT WHEELS FOR WOODEN CREEPERS**  
2" Oil resistant plastic ball bearing wheel offers a quiet, easy glide even over rough floors.  
Specifications:  
Wheel - 2" dia.  
Bracket - 1 1/4" x 2"  
Overall Height - 2 3/4"

**99802 ENGINEERING PLASTIC ROLLER**  
An engineering plastic roller and bracket with a steel axle makes a natural bearing for easier rolling.  
Specifications:  
Bracket - 1 9/16" x 2 1/4"  
Roller - 2 3/4" dia.  
Overall Height - 2 3/4"



**96132 REPLACEMENT WHEELS FOR LOW PROFILE STEEL CREEPERS**  
2" Oil resistant plastic ball bearing wheel offers a quiet, easy glide even over rough floors.  
Specifications:  
Wheel - 2" dia.  
Overall Height - 2 1/2"



**96422 REPLACEMENT WHEELS FOR LOW PROFILE PLASTIC CREEPERS**  
2" Oil resistant plastic ball bearing wheel offers a quiet, easy glide even over rough floors.  
Specifications:  
Wheel - 2" dia.  
Overall Height - 2 1/2"





## 47160 47170 MASTER WATERFALL DISPLAY

Versatile Waterfall Display can be Either Free-Standing or Mounted on a Wall.

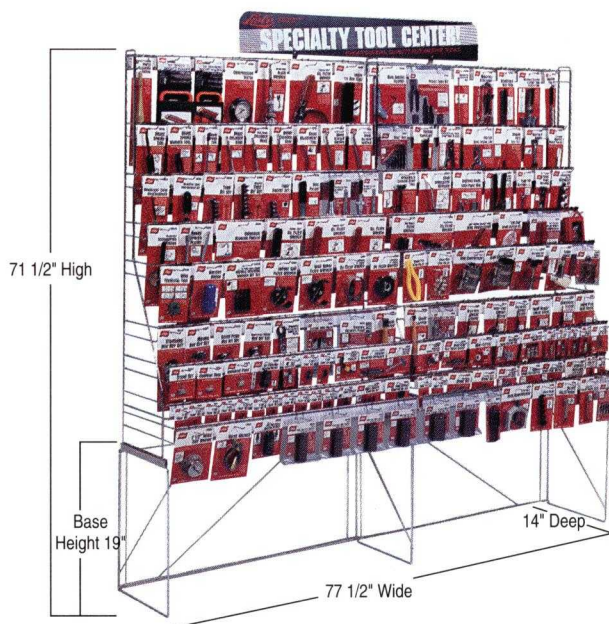
This display holds more than 140 of the most popular tools on a 77 1/2" x 71 1/2" waterfall format. Space-saving waterfall design offers maximum visual appeal for impulse sales. Order a 47170 and receive the tool assortment plus a no charge base for a freestanding floor display. Comes complete with hooks and plan-a-gram label strips for easy stocking. Also includes eye-catching header. The display rack is free. You buy only the tools. Also, drop-shipped and freight prepaid.

47160 Master Display (without base) and Tool Assortment. Shipping wt. 157 lbs.

47170 Master Display with Base and Tool Assortment. Shipping wt. 169 lbs.

47180 Master Display Rack Only. Shipping wt. 65 lbs.

47190 Base Only. Shipping wt. 12 lbs.



## 47120 REVOLVING WATERFALL DISPLAY

Feature Even More Tools in a Compact Space. Holds Over 160 Tools.

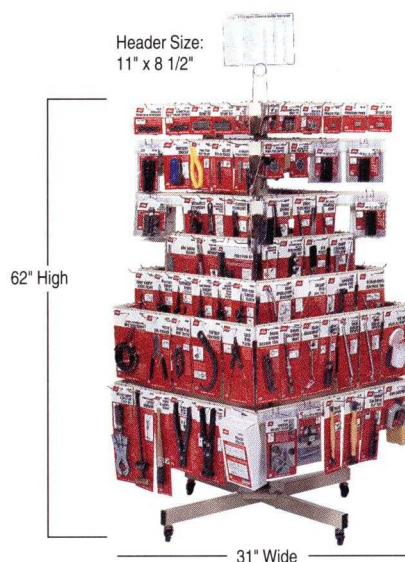
The compact, four sided display takes up less than 1 square yard of floor space while offering maximum card and tool exposure. Comes complete with hooks, plan-a-gram label strips, color-coded tool finder, and easy set-up instructions. The display is mounted on rollers for easy movement. A real money maker...increases impulse sales. The display rack is free. You buy only the tools. Also, drop-shipped and freight prepaid.

47120 Revolving Waterfall Display with Tool Assortment. Shipping wt. 238 lbs.

47130 Revolving Waterfall Display Only. Shipping wt. 119 lbs.

Display is drop-shipped and prepaid from the factory.

Display Tool Assortments are listed in Display Brochure Insert T-22B

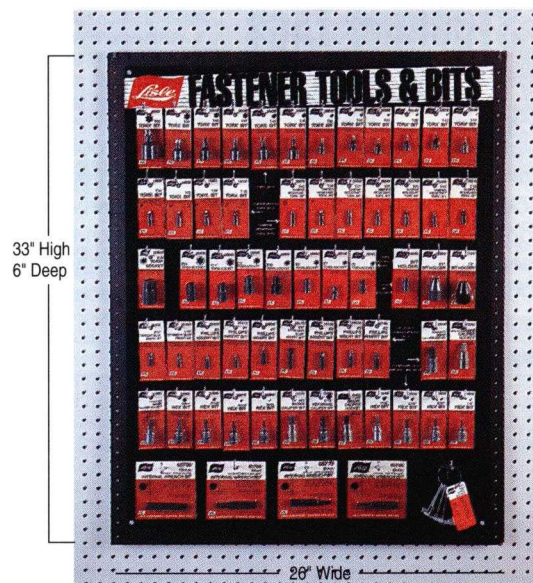


## 48600 FASTENER TOOL AND BIT DISPLAY

Offer a Complete Selection of Fastener Tools and Bits.

Merchandise all your fastener tools and bits in one convenient area. This display features 62 tools on any 33" x 26" wall space or pegboard area. Comes with pegboard back, plan-a-gram template, hooks and mounting hardware.

48600 Fastener Tool and Bit Display. Shipping wt. 16 lbs.





**47600 LARGE GONDOLA DISPLAY**

Use your Existing Gondola Space to Merchandise our Most Popular Specialty Tools.

Feature over 140 tools in only 96" x 46". Display bars are compatible with most standard 4' high gondolas with 4' wide sections. If your display area is taller, simply adjust the bars upward. Comes complete with 1" x 4' bars (2 sets) with hooks, plan-a-gram label strips, tool finder, easy set-up instructions, and header sign. The display is free, you buy only the tools. Also, drop-shipped and freight prepaid.

**47600 Gondola Display and Tool Assortment.** Shipping wt. 154 lbs.

**47620 Gondola Display Only.** Shipping wt. 68 lbs.



Gondola not included.

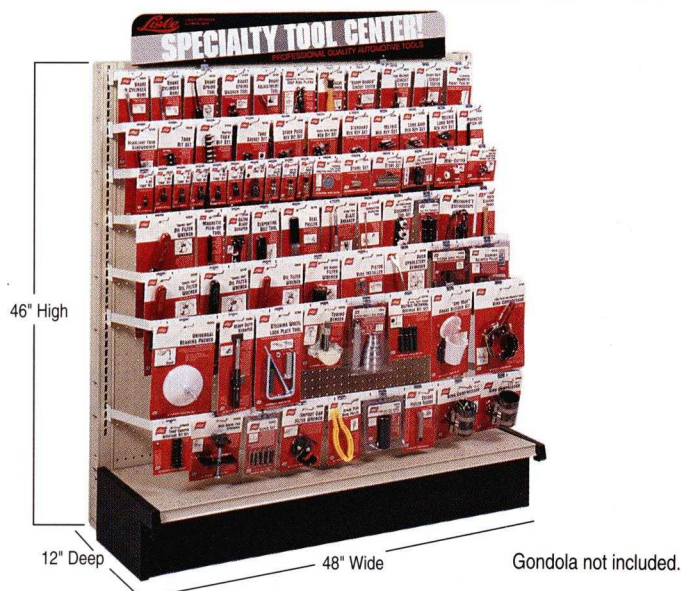
**47500 GONDOLA DISPLAY**

Display over 70 Tools, in only Four Feet of Valuable Gondola Space.

Display bars fit most standard 4' high gondolas with a 4' wide section. Bars easily adjust to fit taller display areas. Comes complete with 1" x 4' bars, plan-a-gram label strips, tool finder, easy set-up instructions, and header sign. The display is free, you buy only the tools. Also, drop-shipped and freight prepaid.

**47500 Gondola Display and Tool Assortment.** Shipping wt. 79 lbs.

**47520 Gondola Display Only.** Shipping wt. 34 lbs.



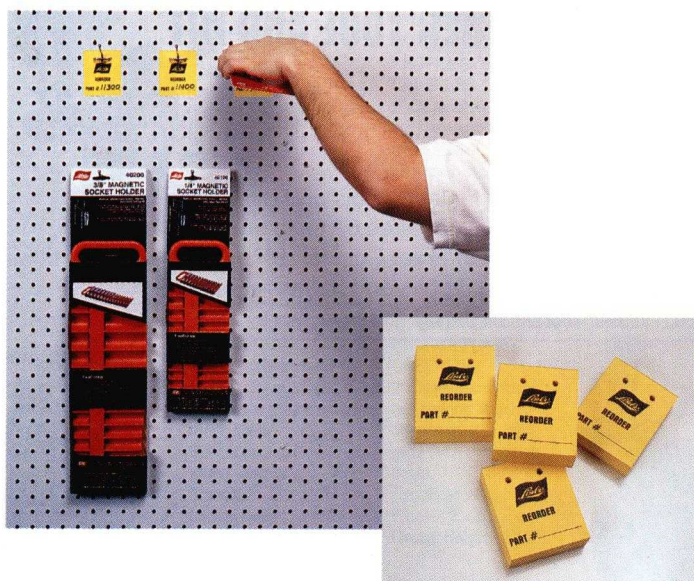
Gondola not included.

**48160 STOCKING TAGS**

Use These Handy Tags to Create your own Plan-a-Gram.

Universal tags help keep track of your specialty tool inventory and prompt you to reorder out of stock items. Tags can be used to add new tools that are not yet available on our displays. These stocking tags can be used to create your own custom display. Available in convenient pads of 100 tags with pre-drilled holes to fit pegboard hooks. Stocking tags are free.

**48160 Stocking Tags.** 100 per pad.







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| 14000 Parts Cleaning Brush .....                   | 42 | 29800 Antenna Nut Socket Set .....                 | 34    | 48160 Stocking Tags .....                         | 56 | 96302 42" Padded Low Pro. Steel Creeper .....    | 53 |
| 14020 2 1/2" Wire Cup Brush .....                  | 42 | 30000 1/2" Impact Tool .....                       | 33    | 48250 Star Wheel Adjuster .....                   | 4  | 96402 Yellow Low Profile Plastic Creeper .....   | 52 |
| 14040 1" Knot Wire End Brush .....                 | 42 | 30200 1/2" Impact Set .....                        | 33    | 48400 Import Car Brake Clip Tool .....            | 2  | 96422 2" Rubber Wheel (Plastic Creepers) .....   | 54 |
| 14060 1" Crimped Wire End Brush .....              | 42 | 30500 CV Boot Clamp Pliers .....                   | 10    | 48600 Bit Board Display w/ Tools .....            | 55 | 96502 Red Low Profile Plastic Creeper .....      | 52 |
| 14160 Scratch Brush .....                          | 42 | 30800 CV Boot Clamp Pliers .....                   | 10    | 49200 Heavy Duty Snap Ring Pliers .....           | 32 | 96602 Orange Low Profile Plastic Creeper .....   | 52 |
| 14180 Shoe Handle Wire Scratch Brush .....         | 42 | 30950 CV Joint Bending Tool .....                  | 10    | 50000 Mini-Cutter .....                           | 47 | 96702 Blue Low Profile Plastic Creeper .....     | 52 |
| 14200 Headlight Trim Screwdriver .....             | 29 | 31000 Magnetic Pick-Up Tool, Large .....           | 49    | 50350 Air Hose Reel .....                         | 50 | 96802 Green Low Profile Plastic Creeper .....    | 52 |
| 14400 Headlight Adjusting Tool .....               | 34 | 31250 Magnetic Pick-Up Tool, Intermediate .....    | 49    | 50700 Brake Adjustment Tool .....                 | 4  | 97112 2" Rubber Wheel with Bracket .....         | 54 |
| 14540 Headlight Adjusting Ratchet for Ford .....   | 34 | 31310 Double Flaring Tool .....                    | 46    | 50750 Oil Filter Pliers .....                     | 25 | 97492 Deluxe Creeper with Steel Rollers .....    | 53 |
| 14750 Magnetic Torx® Screwdriver .....             | 29 | 31500 Muffler/Tailpipe Cutoff Tool .....           | 11    | 50850 Ignition Spark Tester .....                 | 21 | 97502 Standard Creeper, Plastic Rollers .....    | 53 |
| 14900 Terminal Tool for G.M. .....                 | 37 | 31800 Scribe .....                                 | 47    | 50950 Oil Filter Plier, Truck and Tractor .....   | 25 | 97602 Standard Creeper, Steel Rollers .....      | 53 |
| 14790-14820 Torx® Insert Bits .....                | 29 | 31840 "O" Ring and Seal Pick .....                 | 47    | 51000 Heavy Duty Scraper .....                    | 46 | 98092 King Size Creeper with Steel Rollers ..... | 54 |
| 15000 Engine Cylinder Hone .....                   | 14 | 32000 Pipe End Shaper .....                        | 11    | 51250 Spark Plug Wire Puller .....                | 21 | 98102 Economy Creeper, Plastic Rollers .....     | 53 |
| 16000 Small Cylinder Hone .....                    | 14 | 32050 Telescoping Mirror .....                     | 48    | 51350 1 1/4" Putty Knife .....                    | 47 | 98262 Economy Creeper, Steel Rollers .....       | 53 |
| 16750 Valve Spring Compressor .....                | 15 | 32100 Exhaust "Donut" Stretcher .....              | 11    | 51360 3" Putty Knife .....                        | 47 | 98302 Creeper Seat, Plastic Wheels .....         | 54 |
| 18000 Universal Camshaft Bearing Tool .....        | 17 | 32250 Flexible Flashlight .....                    | 48    | 51400 Extended Plug Socket .....                  | 21 | 98702 Padded Creeper Seat, Plastic Wheels .....  | 54 |
| 18500 Small Ring Compressor .....                  | 12 | 32500 Tailpipe Expander .....                      | 11    | 51500 Spark Plug Wire Puller .....                | 21 | 99602 Steel Roller 2 1/2" .....                  | 54 |
| 18520 Tie Rod Separator .....                      | 6  | 32750 Tailpipe Expander, Large .....               | 11    | 51650 Carbide Scraper .....                       | 46 | 99702 Steel Roller 3" .....                      | 54 |
| 18530 Ball Joint Separator .....                   | 6  | 32900 Shock Remover Tool .....                     | 7     | 52000 Razor Blade Scraper .....                   | 46 | 99802 Plastic Roller 2 3/4" .....                | 54 |
| 18600 Window & Door Clip Remover/Inst. .....       | 35 | 33000 Tail and Exhaust Pipe Remover .....          | 11    | 52150 100 Pack Razor Blades .....                 | 46 |                                                  |    |
| 18700 Hot Sleeve .....                             | 35 | 33500 Piston Ring Installer .....                  | 48    | 52500 Mechanic's Stethoscope .....                | 17 |                                                  |    |
| 18800 Brake Cylinder Retainer Remover .....        | 4  | 33850 Metric Hex Wrench Set .....                  | 31    | 53000 Oil Pan Plug Wrench for GM .....            | 25 |                                                  |    |
| 19000 Tape-Apart Ring Compressor .....             | 12 | 33900 7mm Hex Brake Caliper Bit .....              | 3, 31 | 53100 Adjustable Oil Filter Wrench .....          | 26 |                                                  |    |
| 19200 Brake Bleeding Kit .....                     | 4  | 33920 10mm Hex Brake Caliper Bit .....             | 3, 31 | 53200 Tractor Oil Filter Wrench .....             | 27 |                                                  |    |
| 19500 Ring Compressor 2 1/8" to 5" .....           | 12 | 34100 Ball Torx® Wrench Set .....                  | 29    | 53250 Filter Wrench, Large .....                  | 24 |                                                  |    |
| 19700 Valve Holder .....                           | 16 | 34400 Tailpipe Stretcher .....                     | 11    | 53400 Universal 3" Oil Filter Wrench .....        | 25 |                                                  |    |
| 20200 Spark Plug Hole Thread Chaser .....          | 20 | 35200 Windshield Molding/Door Clip Pliers .....    | 35    | 53500 Filter Wrench, Standard .....               | 24 |                                                  |    |
| 20250 Gas Compression Tester .....                 | 17 | 35400 Door Upholstery Remover .....                | 36    | 53700 Filter Wrench, Small .....                  | 24 |                                                  |    |
| 20300 Vacuum Gauge & Fuel Pump Tester .....        | 17 | 35500 Rocker Stoppers .....                        | 13    | 53900 Filter Wrench, Economy .....                | 25 |                                                  |    |
| 20390 Shock Tool for Ford .....                    | 7  | 36450 Fuel Line Disconnect Set for Ford .....      | 45    | 54000 Battery Terminal Puller .....               | 36 |                                                  |    |
| 20400 Universal Shock Absorber Tool .....          | 7  | 36500 Ridge Reamer .....                           | 13    | 54200 Sw. Grip Truck Filter Wr. Cummins .....     | 27 |                                                  |    |
| 20500 Ring Compressor 3 1/2" to 7" .....           | 12 | 37000 Air Cond./Fuel Line Disc. Tool Set .....     | 45    | 54300 Sw. Grip Truck Filter Wr. Caterpillar ..... | 27 |                                                  |    |
| 20600 CV Boot Driver .....                         | 10 | 37200 Short Torx® Bit Set .....                    | 28    | 54400 Fuel Filter/Oil Filter Wrench .....         | 24 |                                                  |    |
| 20750 Remote Starter Switch .....                  | 21 | 37600 Super Torx® Bit Set .....                    | 28    | 54500 Narrow Band Filter Wrench, Small .....      | 24 |                                                  |    |
| 20900 Radiator Cap Pliers .....                    | 48 | 38000 Ridge Reamer .....                           | 13    | 54600 Narrow Band Filter Wrench, Standard .....   | 24 |                                                  |    |
| 21000 Ring Compressor 3 1/2" to 7" .....           | 12 | 38850 Pulley Puller/Installer .....                | 45    | 54700 End Cap Filter Wrench 65/67mm .....         | 24 |                                                  |    |
| 21100 Large Valve Lapper .....                     | 16 | 39500 30mm Axle Nut Socket .....                   | 9     | 54720 End Cap Filter Wrench 80mm .....            | 24 |                                                  |    |
| 21200 Small Valve Lapper .....                     | 16 | 39550 36mm Axle Nut Socket .....                   | 9     | 54740 End Cap Filter Wrench 74/76mm .....         | 24 |                                                  |    |
| 21300 13" Magnetic Tool Holder .....               | 51 | 39700 32mm Axle Nut Socket .....                   | 9     | 54760 End Cap Filter Wrench 76mm .....            | 24 |                                                  |    |
| 21400 24" Magnetic Tool Holder .....               | 51 | 39750 34mm Axle Nut Socket .....                   | 9     | 54780 End Cap Filter Wrench 93mm .....            | 24 |                                                  |    |
| 21500 Ring Compressor 7" to 10" .....              | 12 | 39800 Screw Starter, Combination .....             | 32    | 54800 End Cap Filter Wrench 93mm .....            | 24 |                                                  |    |
| 21700 Wrinkle Band Ring Compressor .....           | 12 | 40000 Pulley Puller/Installer .....                | 45    | 55200 Fuse Puller .....                           | 39 |                                                  |    |
| 22000 Oil Filter Wrench .....                      | 26 | 40120 1/4" Magnetic Socket Holder, Red .....       | 51    | 55250 Carburetor Adjusting Tool .....             | 20 |                                                  |    |
| 22200 4-Wheel Drive Spindle Puller .....           | 8  | 40130 1/4" Magnetic Socket Holder, Green .....     | 51    | 55500 Clutch Alignment Tool .....                 | 22 |                                                  |    |
| 22550 Engine Tilter .....                          | 16 | 40200 3/8" Lg. Mag. Socket Holder, Red .....       | 51    | 56500 Terminal Tool .....                         | 37 |                                                  |    |
| 22700 Code Retriever for GM .....                  | 39 | 40210 3/8" Lg. Mag. Socket Holder, Green .....     | 51    | 56750 Seal Puller .....                           | 22 |                                                  |    |
| 22750 Oil Filter Wrench .....                      | 26 | 40280 3/8" Sm. Mag. Socket Holder, Red .....       | 51    | 57200 Steering Wheel Lock Plate Tool .....        | 43 |                                                  |    |
| 22850 Hose Pinchers .....                          | 20 | 40290 3/8" Sm. Mag. Socket Holder, Green .....     | 51    | 57350 Universal Battery Carrier .....             | 36 |                                                  |    |
| 23300 Sm. Engine Valve Spring Compressor .....     | 15 | 40800 Parking Brake Cable Remover .....            | 2     | 57800 Serpentine Belt Tool .....                  | 44 |                                                  |    |
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| 24800 Seal Driver Kit .....                        | 23 | 42000 Folding Hex Key Set .....                    | 30    | 62300 MacPherson Strut Tool .....                 | 8  |                                                  |    |
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| 25300 Flare Nut Wrench 1/2" x 9/16" .....          | 33 | 42300 Metric Hex Key Set .....                     | 30    | 63400 Universal Strut Nut Remover .....           | 8  |                                                  |    |
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| 25400 Magnetic Screwdriver Set .....               | 31 | 42650 Long Arm Metric Hex Key Set .....            | 30    | 63600 Import Car Filter Wrench .....              | 26 |                                                  |    |
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## HAVE YOU DEVELOPED A NEEDED AUTOMOTIVE TOOL?

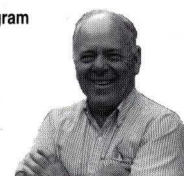
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